

Personal Travel in the United States 1983-1984

VOLUME I



1983 Nationwide Personal Transportation Survey
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Part 3 of 3 of electronic PDF file

Chapters 9-Appendices: Contains travel period trips and travel, use of safety devices, and the appendices.

9

CHARACTERISTICS OF TRAVEL PERIOD TRIPS AND TRAVEL

INTRODUCTION

Information on the characteristics of travel period trips (also referred to as "long trips") is presented in this chapter. A travel period trip occurred when a household member left home, traveled to a destination (farthest point from home) at least 75 miles away from home, and then returned home.

As indicated earlier, data for all trips, regardless of trip length, were collected for a 24-hour period known as the travel day. Information for travel period trips was collected in order to supplement travel day to obtain an estimate of total trips and travel. Because only a small number of trips 75 miles or longer are made on any given day, and in order to insure that the less frequent long trip was captured, the collection period for long trips was extended to 14 days (ending with the travel day) in each of the 12 months of the survey. Although these long trips comprise less than 1 percent of all vehicle trips, they are an important component of vehicle travel, representing over 15 percent of vehicle miles of travel.

For comparability with the travel day trips, the one-way trip concept and related characteristics were used for travel period trips in presenting data in this chapter. Table 9-1 evaluates the impact of travel period and travel day trips in obtaining a total estimate of trips and travel. This table is presented primarily to indicate the additional travel that is gained through collecting long trip data over an extended period of time, as opposed to data collection for a 1-day time frame.

The remainder of the chapter is primarily concerned only with travel period trips and travel. The data are presented in terms of both vehicle trips and person trips. The tables contain the relationships of travel period trips to:

- o purpose,
- o household income,
- o family life cycle,
- o place of residence,
- o household composition,
- o mode of transportation, and
- o season of the year.

No travel period trip data have been presented in previous NPTS reports, and therefore trend information is not available.

This chapter clearly presents the role of airplane travel versus that of automobiles and other private vehicles in regard to long trips. The predominance of social and recreational travel in long trips is shown, as is the influence of household income on this sector of the nation's travel pattern.

SUMMARY OF NATIONAL ESTIMATES USED IN THIS CHAPTER

Households	85,371,000
Persons	229,453,000
Long (Travel Period) Vehicle Trips	910,000,000
Long (Travel Period) Vehicle Miles of Travel	171,827,000,000
Long (Travel Period) Person Trips	2,112,000,000
Long (Travel Period) Person Miles of Travel	639,372,000,000

**A. TOTAL ESTIMATE OF TRAVEL BASED ON THE TRAVEL DAY
AND TRAVEL PERIOD TRIPS**

The results of an analysis estimating the impact of the travel day and travel period trips and travel are shown in Table 9-1. This table is presented primarily to show the additional travel that is gained by collecting "long" trips over an extended period of time, as opposed to the trips and travel collected during a one-day time frame.

It should be recalled that travel day includes all trips and travel, regardless of trip length, which ended during the 24-hour period known as the travel day. Travel period trips were defined as trips that occurred when a household member left home, traveled to a destination at least 75 miles away from home and then returned home. The travel period was extended to include long trips that ended on the 13 days preceding the travel day as well as the travel day.

Before adding travel day and travel period trips and travel together in order to arrive at a total estimate of trips and travel, it is necessary to eliminate those duplicate "long" trips ending on the travel day which were reported both during the travel day and travel period data collections. This was accomplished by eliminating the "long" trip from the travel day file and retaining the similar "long" trip reported during the travel period interviewing.

It should be noted that the "long" trip and travel estimates in the remainder of this chapter cannot be added directly to the travel day trips and total estimates shown in the other chapters of this report, since as previously noted, duplication exists.

For purpose of consistency, all trips of 75 miles or over, one way, sampled during NPTS 14-day travel periods will be referred to as "long" trips and all other trips sampled during the travel day as "travel day" trips.

Table 9-1 indicates that in 1983, long trips represented 0.7 percent of all vehicle trips producing 16 percent of all vehicle travel. These trips accounted for 0.9 percent of all person trips and 27.7 percent of all person travel. While each one-way long vehicle trip averaged 189 miles in length, each one-way person trip averaged 303 miles in length. These figures clearly show that private vehicles were used for shorter trips of each type, while other types of transportation (airplanes, buses, trains) are chosen for longer trips.

**TABLE 9-1
COMPARISON OF TRAVEL DAY AND TRAVEL PERIOD TRIPS**

	Travel Day Trips		Travel Period Trips		Total Estimate (000,000)
	Annual Number (000,000)	Percent of Total	Annual Number (000,000)	Percent of Total	
Vehicle Trips ¹	125,560 ^a	89.3	910 ^c	.7	126,470
Vehicle Travel	904,364 ^a	84.0	171,827	16.0	1,076,191
One-Way Trip Length (Miles)*	7.2		189		8.5
Person Trips ²	221,817 ^b	99.1	2,112 ^d	.9	223,929
Person Travel	1,664,696 ^b	72.3	639,372	27.7	2,304,068
One-Way Trip Length (Miles)*	7.5		303		10.3

*Actual miles, not shown in millions.

¹A vehicle trip is defined as a trip made in a private vehicle with a household driver, regardless of the number of persons in the vehicle. For example, four persons traveling together in a car make one vehicle trip. If the trip is 5 miles long, it counts as 5 vehicle miles of travel.

²A person trip is defined as a trip by one or more persons in any mode of transportation. Each person is considered as making one person trip. For example, four persons traveling together in a car make four person trips. If the trip is 5 miles long, it counts as 20 person miles of travel.

^aExcludes 1,314,000,000 vehicle trips and 97,775,000,000 vehicle miles of travel of segments of long trips reported on travel day. These trips and travel are represented in the travel period trips and travel.

^bExcludes 2,568,000,000 person trips and 281,966,000,000 person miles of travel of segments of long trips reported on travel day. These trips and travel are represented in the travel period trips and travel.

^c455,000,000 round trips.

^d1,056,000,000 round trips.

B. VEHICLE TRIPS AND TRAVEL

PERSONS AND HOUSEHOLDS: ANNUAL NUMBER OF LONG VEHICLE TRIPS

Table 9-2 contrasts the distribution in the number of 1983 long vehicle trips taken by persons and by households. Only 15.3 percent of all households and 6.4 percent of all persons took any long vehicle trips during the travel period, and only one percent of all household members took four or more trips (two or more round trips). The persons taking four or more trips represented 3.1 percent of all households.

<u>Number of Annual Long Vehicle Trips</u>	<u>Percent of Persons</u>	<u>Percent of Households</u>
None	93.6	84.7
Two	5.4	12.2
Four	0.8	2.4
Six or More	0.2	0.7
TOTAL	100.0	100.0

LONG VEHICLE TRIPS, TRAVEL, AND OCCUPANCY: TRIP PURPOSE

Table 9-3 shows the distribution of 1983 long vehicle trips and of long vehicle travel by trip purpose. It also lists the average vehicle occupancy (persons per vehicle mile) for each trip purpose. Clearly, the predominant long trip travel was related to social and recreational purposes (55.7 percent of all long trips producing 59.2 percent of all long trip travel). Travel for family and personal business accounted for 21.3 percent of all long trips and 19.8 percent of the long trip travel.

	<u>Percent of</u>		<u>Average</u>
	<u>Trips</u>	<u>Travel</u>	<u>Occupancy</u> ¹
Earning a Living			
To or From Work	2.2	1.3	1.4
Work Related Business	10.0	8.3	2.0
Subtotal	12.2	9.6	1.9
Family and Personal Business			
Shopping	1.6	1.0	3.5
Doctor/Dentist	2.5	1.8	2.1
Other	17.2	17.0	2.5
Subtotal	21.3	19.8	2.5
Civic, Educational, and Religious	2.1	1.9	3.0
Social and Recreational			
Vacation	8.2	12.3	2.6
Visit Friends	28.9	29.9	2.5
Pleasure Driving	2.8	2.8	2.1
Other	15.8	14.2	2.7
Subtotal	55.7	59.2	2.6
Other	4.7	5.6	1.7
Unknown	4.0	3.9	2.5
TOTAL	100.0	100.0	2.5

¹Persons per Vehicle Mile

Figures 9-1 and 9-2 show the distributions of long trips and travel, respectively, by trip purpose. Vehicle occupancy for all long trips during the year averaged 2.5 persons per vehicle-mile of travel. Shopping and civic, educational, and religious trips produced the highest occupancies, 3.5 percent and 3.0 percent, respectively, while long trips to and from work averaged only 1.4 percent.

FIGURE 9-1
DISTRIBUTION OF LONG VEHICLE TRIPS BY PURPOSE

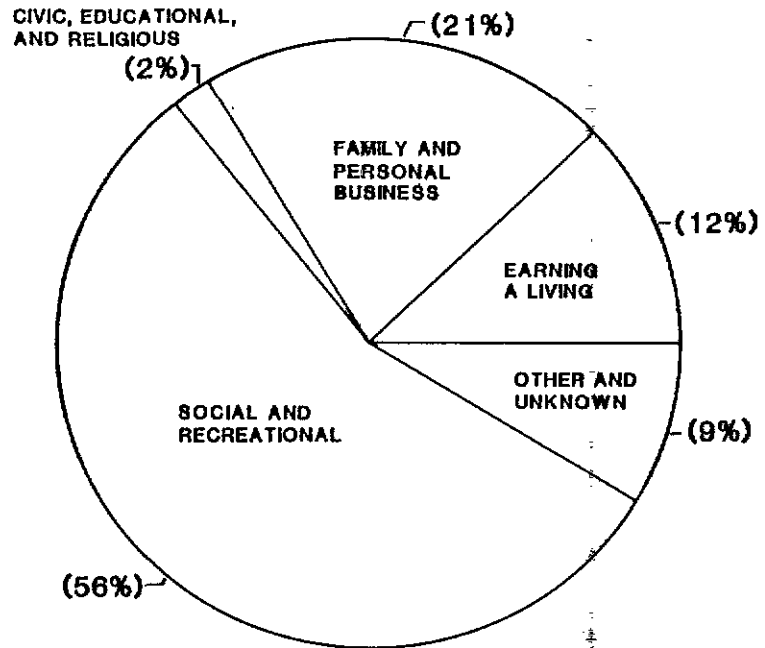
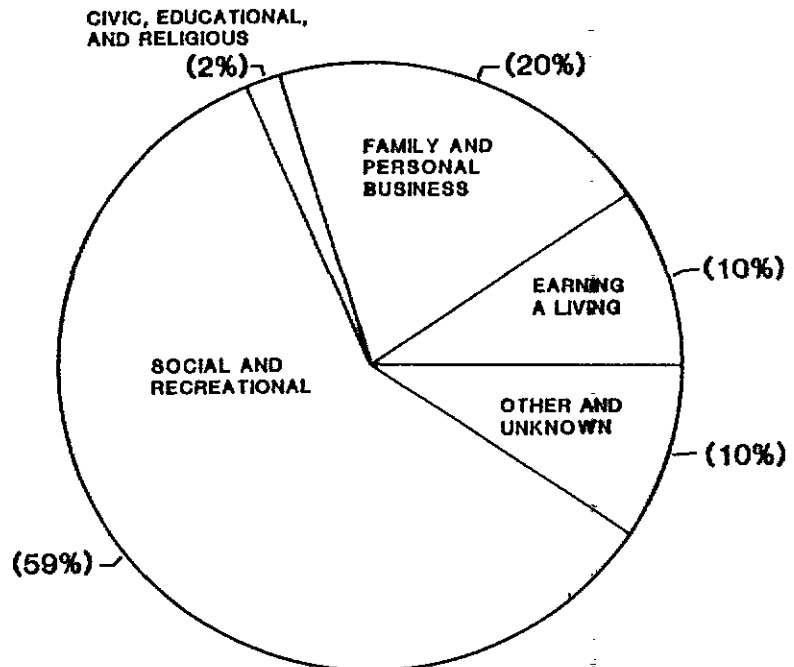


FIGURE 9-2
DISTRIBUTION OF LONG VEHICLE TRAVEL BY PURPOSE



**LONG VEHICLE TRIPS AND TRAVEL:
HOUSEHOLD INCOME**

Households with incomes of more than \$20,000 took more than their expected share of long vehicle trips in 1983. For example, almost 28 percent of all long vehicle trips and 29 percent of all long vehicle travel, the maximum for any income category, were taken by households with incomes in the \$20,000-\$29,999 range (Table 9-4). The households in this income category constituted only 21 percent of all households. Households with incomes of \$40,000 and over also showed significantly higher percentages of long trips and travel than percent of households in that income category. Conversely, the percentages of long vehicle trips and travel for households with incomes under \$10,000 were disproportionately lower than the percentage of households in the income category.

**TABLE 9-4
DISTRIBUTION OF LONG VEHICLE TRIPS AND TRAVEL
BY HOUSEHOLD INCOME**

<u>Household Income</u>	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Average Trip Length (Miles)</u>	<u>Percent of Households</u>
Under \$10,000	9.0	9.2	192	26.2
\$10,000 - 19,999	24.2	23.1	181	26.7
\$20,000 - 29,999	27.8	28.6	194	20.8
\$30,000 - 39,999	14.7	15.6	200	12.1
\$40,000 and Over	24.3	23.5	184	14.2
TOTAL	100.0	100.0	189	100.0

Figure 9-3 illustrates both vehicle trips per household and vehicle miles of travel per household for each income category. Members of households with incomes of \$40,000 and over clearly averaged more vehicle trips and travel than households in any of the other household categories. Long trips taken by households in the \$30,000-\$39,999 income category averaged the longest of these trips--200 miles, almost 6 percent higher than the average (189 miles). Interestingly, the long trips taken by households in the lowest income category were also longer than average. Figure 9-4 addresses these trip lengths.

FIGURE 9-3
NUMBER OF LONG VEHICLE TRIPS AND TRAVEL
PER HOUSEHOLD BY HOUSEHOLD INCOME

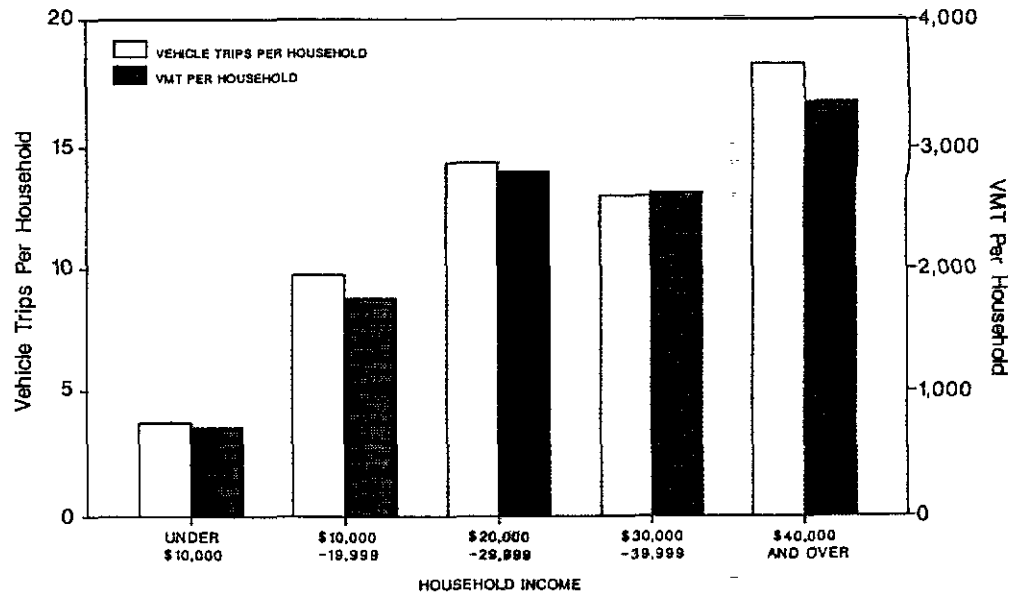
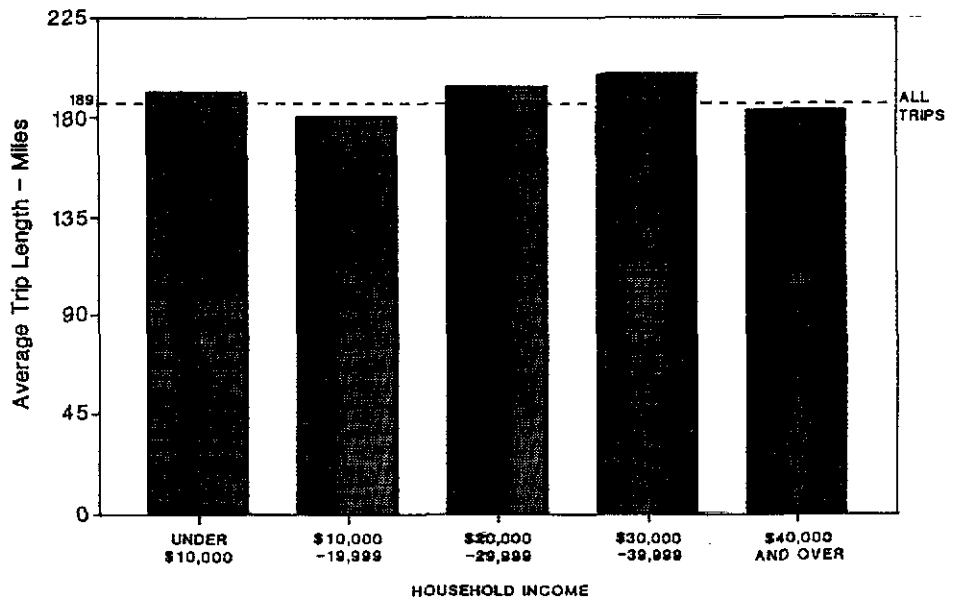


FIGURE 9-4
AVERAGE LONG VEHICLE TRIP LENGTHS BY HOUSEHOLD INCOME

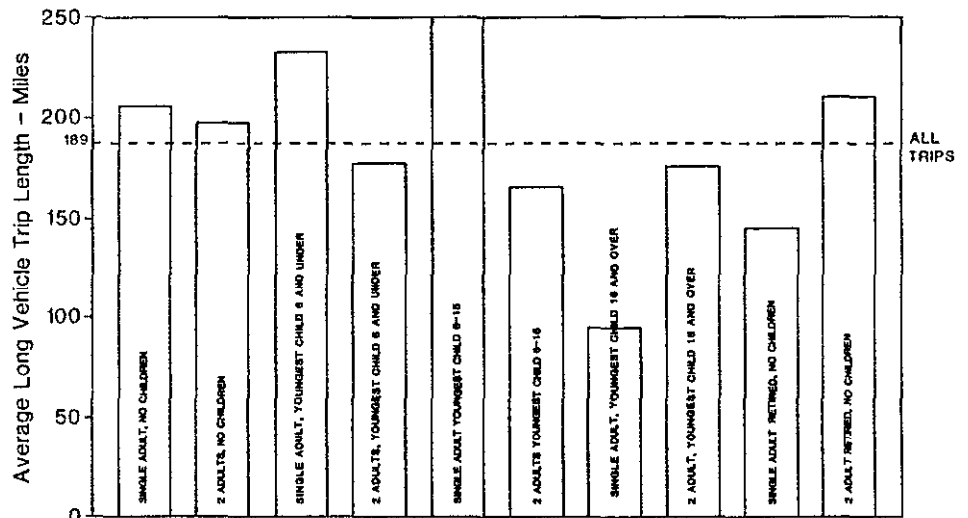


**LONG VEHICLE TRIPS AND TRAVEL:
FAMILY LIFE CYCLE**

Table 9-5 demonstrates the effect that the number of adults and number and age of children in a household had, both on the distribution of long vehicle trips and travel and on the average household long vehicle trip length. Members of households with two or more non-retired adults, which constituted 56.6 percent of all households, took almost 80 percent of all long vehicle trips and 78 percent of all long vehicle travel. On the other hand, members of households with single adults and households with two or more retired adults accounted for disproportionately fewer long trips and travel based on overall percentage of total households. In general, households with no children averaged longer vehicle trips than those with children. One exception to this was households consisting of a single adult with the youngest child under age 6, which averaged the longest trip length of any family life cycle category--235 miles. Retired single adult households with no children averaged a relatively low vehicle trip length--148 miles. Figure 9-5 displays the average long vehicle trip length for each family life cycle category.

FIGURE 9-5

AVERAGE LONG VEHICLE TRIP LENGTHS BY FAMILY LIFE CYCLE



**TABLE 9-5
DISTRIBUTION OF LONG VEHICLE TRIPS AND TRAVEL
BY FAMILY LIFE CYCLE**

	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Trip Length</u>	<u>Percent of Households</u>
Single Adult, No Children	11.6	12.8	208	20.1
Two or more Adults, No Children	35.4	37.6	201	26.3
Single Adult, Youngest Child Under 6	1.1	1.4	235	2.4
Two or More Adults, Youngest Child Under 6	15.6	14.5	176	16.0
Single Adult, Youngest Child 6 - 15	1.5	1.2	250	4.1
Two or More Adults, Youngest Child 6 - 15	20.8	18.6	168	14.3
Single Adult, Youngest Child 16 or Older	.3	.2	97	1.0
Two or More Adults, Youngest Child 16 or Older	8.0	7.5	179	5.2
Single Adult, Retired, No Children	.8	.7	148	2.7
Two or More Adults, Retired, No Children	4.9	5.5	214	7.9
TOTAL	100.0	100.0	189	100.0

**LONG VEHICLE TRIPS AND TRAVEL:
URBANIZED AREA SIZE**

Residents of urbanized areas made longer vehicle trips in 1983 than their counterparts outside urbanized areas. While 65.5 percent of all households are situated within urbanized areas, these households made only 59.2 percent of all long vehicle trips, accounting for 63.1 percent of total long travel. The average trip length for trips made by members of households within

urbanized areas was higher than the average for all long vehicle trips (Table 9-6). The remaining 34.5 percent of the households located outside of urbanized areas accounted for 40.8 percent of all long vehicle trips and 36.9 percent of all long vehicle travel. Those residing outside of urbanized areas apparently made more than their proportionate share of long trips, but they were almost

15 percent shorter in length on average (172 miles nonurbanized versus 201 miles urbanized). Residents of urbanized areas of 750,000-1,249,999 population made the longest trips on average--227 miles. This was some 13 percent above the average long trip length for all urbanized area residents and 20 percent above that for the nation as a whole.

**TABLE 9-6
DISTRIBUTION OF LONG VEHICLE TRIPS AND TRAVEL
BY URBANIZED AREA SIZE**

	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Average Trip Length</u>	<u>Percent of Households</u>
Urbanized Areas				
50,000 - 199,999	12.1	12.9	202	10.2
200,000 - 749,999	12.6	14.3	216	14.1
750,000 - 1,249,999	4.3	5.0	227	7.6
1,250,000 or more with rail	14.6	15.0	192	14.6
1,250,000 or more without rail	12.9	14.1	206	17.7
Unknown Size	2.7	1.8	126	1.3
Subtotal	59.2	63.1	201	65.5
Not Urbanized Areas				
Under 5,000	29.0	26.0	171	25.5
5,000 or more	11.8	10.9	175	9.0
Subtotal	40.8	36.9	172	34.5
TOTAL	100.0	100.0	189	100.0

**LONG VEHICLE TRIPS AND TRAVEL:
HOUSEHOLD DRIVERS AND VEHICLES**

As one might expect, the distribution of both long vehicle trips and travel for households with more than one driver or more than one vehicle was higher than the distribution of number of households in those driver or vehicle categories. Table 9-7 documents the fact that the percentages, of long vehicle trips and of long

vehicle travel for households with four or more drivers were 102 percent and 163 percent higher, respectively, than the percentage of households in that category in 1983. The percentage differences, 95 percent and 70 percent, respectively, were somewhat lower for households with four or more vehicles. Average trip lengths

tended to decrease as the number of drivers in a household increased. However, households with four or more drivers produced the highest average trip lengths of any category in the table--246 miles. There was no apparent relationship between average trip length and number of vehicles.

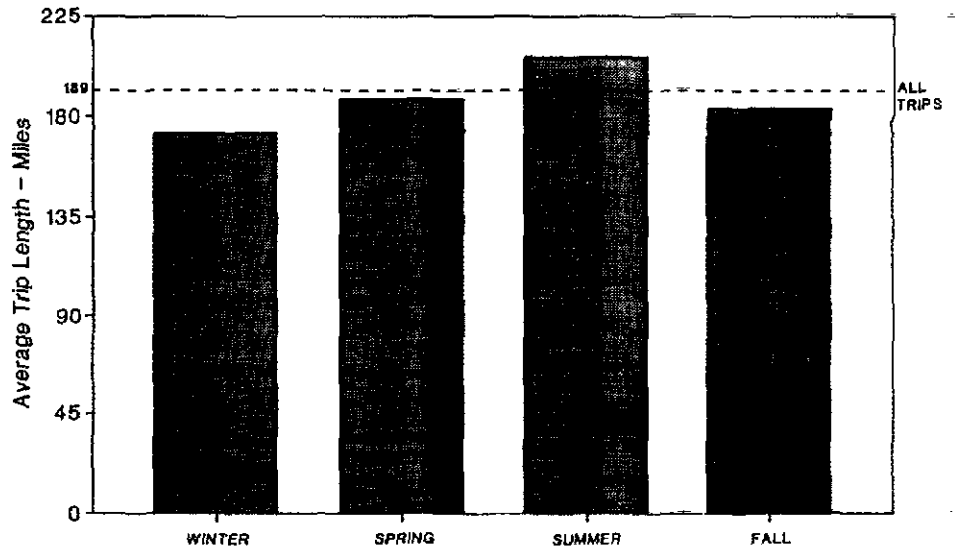
**TABLE 9-7
DISTRIBUTION OF LONG VEHICLE TRIPS AND TRAVEL
BY NUMBER OF HOUSEHOLD DRIVERS AND VEHICLES**

	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Average Trip Length</u>	<u>Percent of Households</u>
Number of Drivers				
None	N/A	N/A	N/A	10.4
One	19.2	21.8	213	31.5
Two	57.5	54.8	181	45.5
Three	16.2	14.2	165	9.1
Four or More	7.1	9.2	246	3.5
TOTAL	100.0	100.0	189	100.0
Number of Vehicles				
None	.8	.5	142	13.5
One	24.2	24.8	194	33.7
Two	43.4	45.2	197	33.6
Three	19.1	18.6	184	12.8
Four or More	12.5	10.9	165	6.4
TOTAL	100.0	100.0	189	100.0

**LONG VEHICLE TRIPS AND TRAVEL:
SEASON**

Table 9-8 breaks down 1983 long vehicle trip and travel distributions by season of the year. The summer months of July through September not only produced the greatest number of vehicle trips and travel of any season during the year but produced the longest average trip length as well--212 miles. As might be expected for vehicle travel during the winter, the percentages of trips and travel, and the average trip length, were lowest during that season. Figure 9-6 plots the average vehicle trip lengths for each of the four seasons.

**FIGURE 9-6
AVERAGE LONG VEHICLE TRIP LENGTHS BY SEASON**



**TABLE 9-8
DISTRIBUTION OF LONG VEHICLE TRIPS AND TRAVEL
BY SEASON**

	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Average Trip Length</u>
Winter	20.6	18.9	173
Spring	26.4	26.2	187
Summer	27.5	30.1	212
Fall	25.2	24.6	183
Unknown	.3	.2	95
TOTAL	100.0	100.0	189
Winter = January - March			
Spring = April - June			
Summer = July - September			
Fall = October - December			

C. PERSON TRIPS AND TRAVEL

PERSONS AND HOUSEHOLDS: ANNUAL NUMBER OF LONG PERSON TRIPS

Table 9-9 is the first of a series of tables to specifically address long person trips and travel. It shows the distributions in the number of 1983 long person trips taken by person and by household. On the average, 14.5 percent of all household members and 22.0 percent of all households took any long person trips during the travel period. Four or more trips (two or more round trips) were taken by 12.6 percent of the households and 2.5 percent of the household members, while the percentages for six or more trips dropped to 5 percent and 0.4 percent, respectively.

<u>Number of Annual Long Person Trips</u>	<u>Percent of Persons</u>	<u>Percent of Households</u>
None	85.5	78.0
Two	12.0	9.4
Four	2.1	7.6
Six or More	0.4	5.0
TOTAL	100.0	100.0

LONG PERSON TRIPS AND TRAVEL: MODE OF TRANSPORTATION

Table 9-10 shows long 1983 person trip and travel distributions by the mode of travel used. Interestingly, the percent of travel attributed to the public transportation means of bus, train, etc. was similar to that for travel day trips. Approximately 83 percent of trips and 56 percent of travel for long person trips were made using private modes. While the percent of long person trips made by these modes does not vary appreciably from that for travel day, the percent of long trip travel attributable to private modes is about half of that for travel day travel. There appears to be a tendency for household members to use private vehicles for the shorter of their long trips. In contrast, long person trips by airplane were clearly much longer than average (6.6 percent of the person trips but 36 percent of the travel).

	<u>Percent of</u>	
	<u>Trips</u>	<u>Travel</u>
Private Vehicle		
Auto, Van-Driver	35.8	22.1
Auto, Van-Passenger	34.0	25.1
Pickup	12.6	7.5
Other Private Vehicle	1.1	1.3
Subtotal	83.5	56.0
Public Transportation		
Bus, Streetcar	2.2	2.1
Train	.9	.5
Subway, Elevated Rail	N/A	N/A
Subtotal	3.1	2.6
Other Means		
Walk	N/A	N/A
Bike	.0	.0
School Bus	.3	.1
Airplane	6.6	36.0
Other	6.5	5.3
Subtotal	13.4	41.4
TOTAL	100.0	100.0

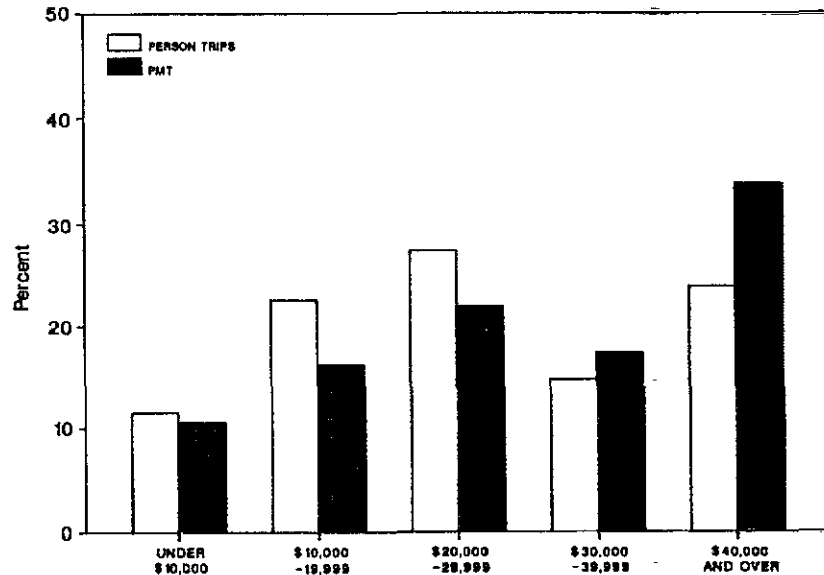
**LONG PERSON TRIPS AND TRAVEL:
HOUSEHOLD INCOME**

Persons in households with incomes of more than \$20,000 took more than their expected share of person trips in 1983 (Table 9-11). The 20.8 percent of total households in the \$20,000-\$29,999 income category took the highest percentage of long trips, 27.3 percent. The highest percentage of person travel, 33.8 percent, was taken by households with incomes of \$40,000 and over, and the average long person trip length for these households was 431 miles. Figure 9-7 shows the distribution of person trips and PMT for each of the household income categories. Figure 9-8 provides a plot of the average person trip lengths.

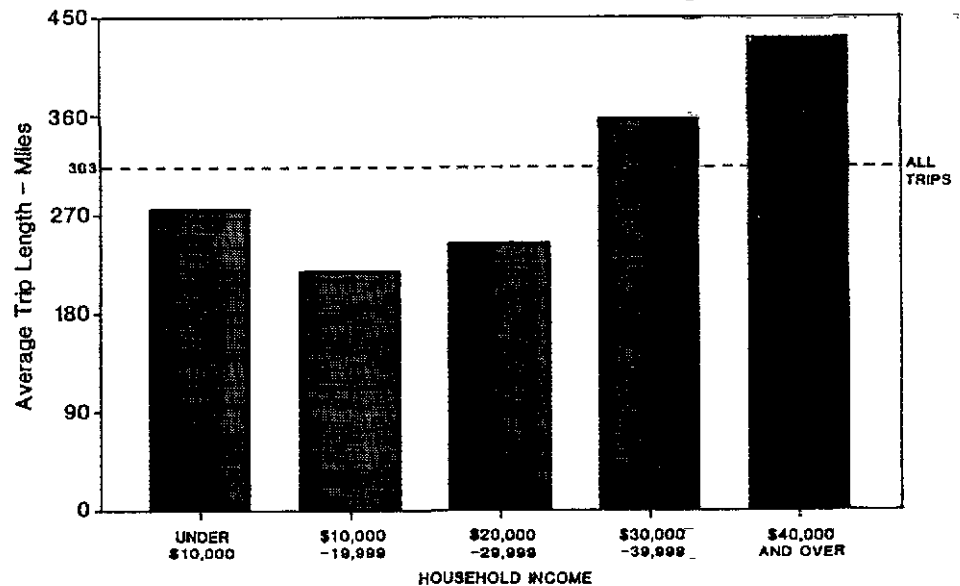
**TABLE 9-11
DISTRIBUTION OF LONG PERSON TRIPS AND TRAVEL
BY HOUSEHOLD INCOME**

	Percent of Trips	Percent of Travel	Average Trip Length	Percent of Households
Under \$10,000	11.6	10.6	275	26.2
\$10,000 - 19,999	22.5	16.3	219	26.7
\$20,000 - 29,999	27.3	21.9	243	20.8
\$30,000 - 39,999	14.8	17.4	357	12.1
\$40,000 and Over	23.8	33.8	431	14.2
TOTAL	100.0	100.0	303	100.0

**FIGURE 9-7
DISTRIBUTION OF LONG PERSON TRIPS AND TRAVEL
PER HOUSEHOLD BY HOUSEHOLD INCOME**



**FIGURE 9-8
AVERAGE LONG PERSON TRIP LENGTHS BY HOUSEHOLD INCOME**



LONG PERSON TRIPS AND TRAVEL:
FAMILY LIFE CYCLE

FIGURE 9-9
AVERAGE LONG PERSON TRIP LENGTHS BY FAMILY LIFE CYCLE

Table 9-12 deals with long person trip and travel distributions by family life cycle. The households with two or more non-retired adults (accounting for 61.8 percent of all households) took 81.9 percent of all long vehicle person trips, producing 77.4 percent of all long trip travel. As was true for long vehicle trips, households with single adults and households with two or more retired adults and no children accounted for disproportionately, small percentages of trips and travel. Long trips taken by members of single adult households with no children averaged the longest person trips of any life cycle category--423 miles. The lowest average long person trip length, 141 miles, was recorded by members of single adult households with youngest child age 16 or over. Figure 9-9 plots the average person trip length for each life cycle category.

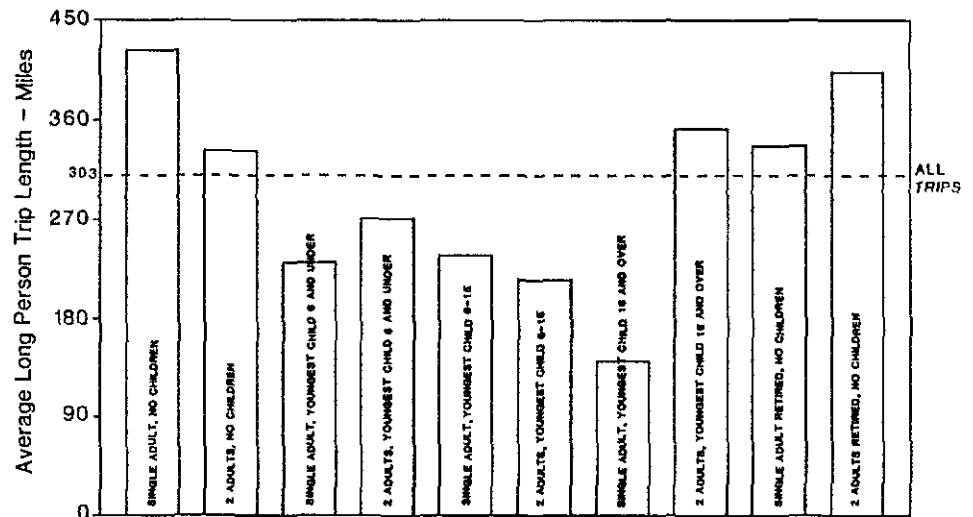


TABLE 9-12
DISTRIBUTION OF LONG PERSON TRIPS AND TRAVEL
BY FAMILY LIFE CYCLE

	Percent of Trips	Percent of Travel	Trip Length	Percent of Households
Single Adult, No Children	8.6	12.0	423	20.1
Two or More Adults, No Children	31.6	34.7	332	26.3
Single Adult, Youngest Child Under 6	1.0	.8	231	2.4
Two or More Adults, Youngest Child Under 6	17.5	15.7	271	16.0
Single Adult, Youngest Child 6-15	2.2	1.8	237	4.1
Two or More Adults, Youngest Child 6-15	24.5	17.3	215	14.3
Single Adult, Youngest Child 16 or Older	.2	.1	141	1.0
Two or More Adults, Youngest Child 16 or Older	8.3	9.7	352	5.2
Single Adult, Retired, No Children	.8	.8	336	2.7
Two or More Adults, Retired, No Children	5.3	7.1	403	7.9
TOTAL	100.0	100.0	303	100.0

**LONG PERSON TRIPS AND TRAVEL:
URBANIZED AREA SIZE**

Table 9-13 shows that the average person trip lengths for residents of urbanized areas (355 miles) were significantly longer than for those of their counterparts in nonurbanized areas (230 miles). Residents in urbanized areas of 750,000 to 1,249,999 population made the longest trips on average --571 miles. Travel lengths for long person trips made by means other than private vehicles were significantly longer for residents of urbanized areas than for those living outside urbanized areas.

**TABLE 9-13
DISTRIBUTION OF LONG PERSON TRIPS AND TRAVEL
BY URBANIZED AREA SIZE**

	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Average Trip Length</u>	<u>Percent of Households</u>
Urbanized Areas				
50,000 - 199,999	11.2	10.5	284	10.2
200,000 - 749,999	12.8	10.5	248	14.1
750,000 - 1,249,999	4.8	9.1	571	7.6
1,250,000 or more With Rail	14.4	23.8	502	14.6
1,250,000 or More Without Rail	12.9	13.0	305	17.7
Unknown Size	2.1	1.3	188	1.3
Subtotal	58.2	68.2	355	65.5
Not Urbanized Areas				
Under 5,000	30.7	22.4	221	25.5
5,000 or More	11.1	9.4	256	9.0
Subtotal	41.8	31.8	230	34.5
TOTAL	100.0	100.0	303	100.0

**LONG PERSON TRIPS AND TRAVEL:
SEASON**

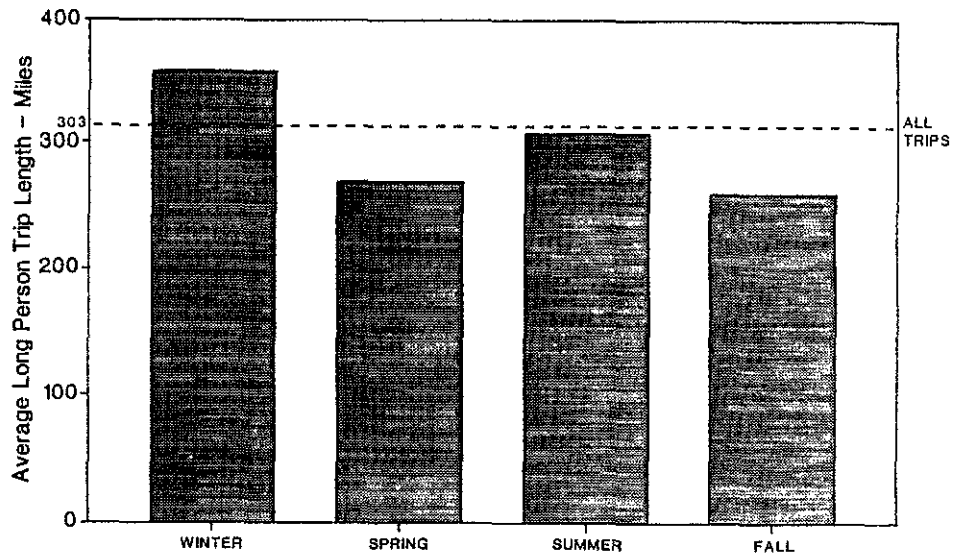
As one might expect, the greatest number of long person trips and the highest percentage of travel produced by those trips (29.3 and 30.5 percent, respectively) occurred during the summer months (Table 9-14). Surprisingly, the winter months accounted for the next highest amount of travel (24.3 percent); however, these months produced the lowest percentage of trips. This resulted in the winter season's average trip length of 362 miles being the highest of any season of the year (Figure 9-10). Average long person trip lengths for spring and fall were below the average trip length for the year with both seasons showing greater proportions of number of trips than of proportion for travel.

**TABLE 9-14
DISTRIBUTION OF LONG PERSON TRIPS AND TRAVEL
BY SEASON**

	<u>Percent of Trips</u>	<u>Percent of Travel</u>	<u>Average Trip Length</u>
Winter	20.3	24.3	362
Spring	24.8	22.6	276
Summer	29.3	30.5	315
Fall	25.3	22.4	218
Unknown	.3	.2	241
TOTAL	100.0	100.0	303

Winter = January - March
 Spring = April - June
 Summer = July - September
 Fall = October - December

**FIGURE 9-10
AVERAGE LONG PERSON TRIP LENGTHS BY SEASON**



10

USE OF SAFETY DEVICES

INTRODUCTION

This chapter includes information obtained from the 1983 NPTS on the use of safety devices in household vehicles. The following questions are addressed:

- o How often are seat belts used?
- o How do special conditions affect their use?
- o Why are they worn?
- o Why are they ignored?
- o What are the practices in wearing motorcycle safety helmets?
- o How available are child safety seats?
- o What child safety devices are used?

Trend information is not included due to the fact that safety information was not included in previous NPTS questionnaires.

The chapter looks at relationships between seat belt use and household characteristics such as family income and education. It provides insights as to the reasoning and present practices regarding the use of safety devices.

The data presented in this chapter pertaining to the use of seat belts and other safety devices were obtained in response to interview questions which addressed normal practices of household members. As such, there could be considerable variation from data on seat belt use which are obtained through actual observation of vehicle occupants. The data shown in Tables 10-1, 10-2, and 10-4 through 10-8, and related figures include only those persons above the age of four. Table 10-3 presents data for adults 21 years of age and older. Tables 10-9 and 10-10 include only children below the age of five.

The reader should keep in mind that the data regarding the use of safety devices were collected in 1983. Since then, a number of states have enacted mandatory seat belt laws. Conceivably, the responses could be different if the data were collected in 1986.

SUMMARY OF NATIONAL ESTIMATES USED IN THIS CHAPTER

	<u>1983</u>
Person Under Age 5	16,510,000
Persons Age 5 and Over	213,167,000

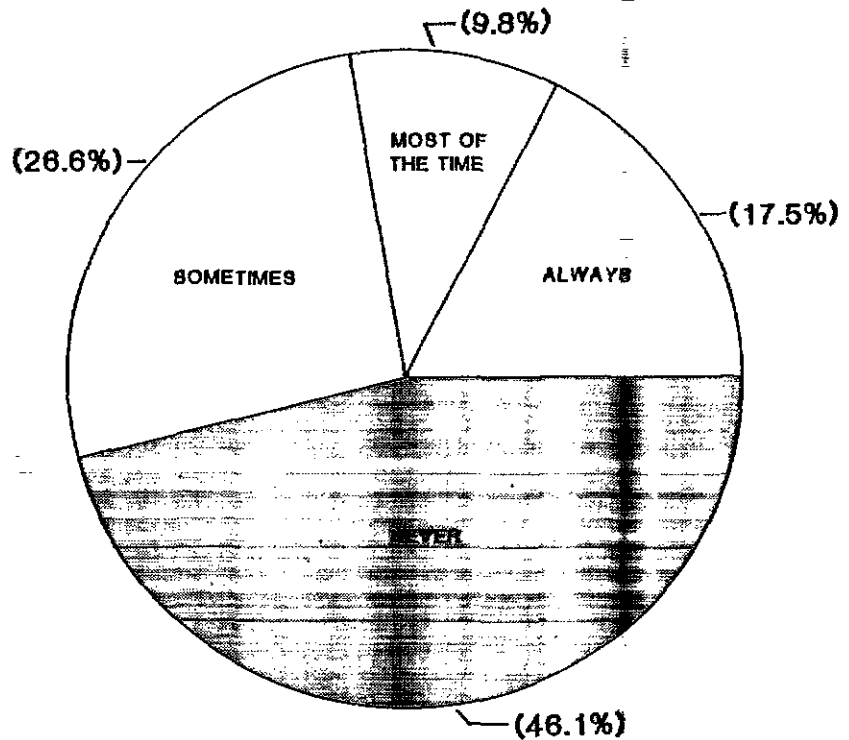
PERSONS: SEAT BELT USAGE

**FIGURE 10-1
FREQUENCY WITH WHICH HOUSEHOLD VEHICLE OCCUPANTS WEAR SEAT BELTS
(AGE 5 AND OVER)**

NPTS interviews revealed that 17.5 percent of persons ages 5 and above "always" wore seat belts when they traveled (Figure 10-1). Another 36 percent reported using seat belts "sometimes" (26.6 percent) or "most of the time" (9.8 percent).

Household members between the ages of 30 and 39 showed the highest propensity (20.2 percent) to always wear their seat belts (Table 10-1). Five-to-15-year-olds showed the second highest (18.4 percent) use of seat belts. Well over half of the 16-to-19-year-olds never wore seat belts, a practice also followed by about half of those in their forties.

A comparison of this data with National Accident Sampling System (NASS) accident records for 1983 reveals good correlation, with the accident records showing somewhat lower usage in the lowest age category and somewhat higher usage in the 50-59 and 60-64 age categories.



**TABLE 10-1
DISTRIBUTION OF PERSONS BY FREQUENCY OF WEARING
SEAT BELTS AND AGE**

Age	How Often do They Wear Seat Belts?				Total
	Always	Most of the Time	Sometimes	Never	
5-15	18.4	10.8	29.5	41.3	100.0
16-19	11.3	7.5	26.0	55.2	100.0
20-29	16.4	8.9	28.4	46.3	100.0
30-39	20.2	10.8	24.8	44.2	100.0
40-49	16.8	7.3	25.1	50.8	100.0
50-59	17.8	10.4	28.3	43.5	100.0
60-64	17.6	11.5	24.1	46.8	100.0
65 +	17.8	11.5	23.4	47.3	100.0
ALL	17.5	9.8	26.6	46.1	100.0

PERSONS: SEAT BELT USAGE, INCOME

Use of seat belts by household members correlated directly with household income (Table 10-2). The frequency of always wearing belts increased (and the frequency of never wearing belts decreased) as household income increased. Twenty-three percent of those in households with incomes of \$40,000 and above always wore their belts, while 37 percent never wore them. These percentages improved from 12 and 54 percents, respectively, for those with household incomes of under \$10,000. The percentages of those who wore their belts "sometimes" or "most of the time" also climbed steadily as household income rose (from 34 percent for the lowest income category to almost 40 percent for the highest).

**TABLE 10-2
DISTRIBUTION OF PERSONS BY HOUSEHOLD INCOME
AND FREQUENCY OF SEAT BELT USE**

Income	How Often do They Wear Seat Belts?				Total
	Always	Most of the Time	Sometimes	Never	
Under \$10,000	12.3	9.3	24.5	53.9	100.0
\$10,000-19,999	14.5	9.1	25.3	51.1	100.0
\$20,000-29,999	18.9	9.8	26.4	44.9	100.0
\$30,000-39,999	17.9	9.9	29.5	42.7	100.0
\$40,000 and over	23.3	11.3	28.4	37.0	100.0
ALL	17.5	9.8	26.6	46.1	100.0

ADULTS: SEAT BELT USAGE, EDUCATION

As was true for seat belt use and level of household income (Table 10-2), Table 10-3 shows a direct correlation between use of seat belts by household members 21 years of age or older and level of education they attained. As the level of education rose so also did the proportion of persons who always wore seat belts (from 13 percent of those who did not complete high school to 36 percent of those who had been enrolled in graduate school). The proportion of those who never wore seat belts declined as the level of education rose.

**TABLE 10-3
DISTRIBUTION OF ADULTS* BY EDUCATION
AND FREQUENCY OF SEAT BELT USE**

Education	How Often do They Wear Seat Belts?				Total
	Always	Most of the time	Sometimes	Never	
Did not Complete High School	13.1	8.0	22.2	56.7	100.0
Completed High School	15.1	8.7	27.1	49.1	100.0
Completed College	27.2	15.6	27.8	29.4	100.0
Graduate School	36.0	13.9	24.6	25.5	100.0
TOTAL	18.1	9.9	25.9	46.1	100.0

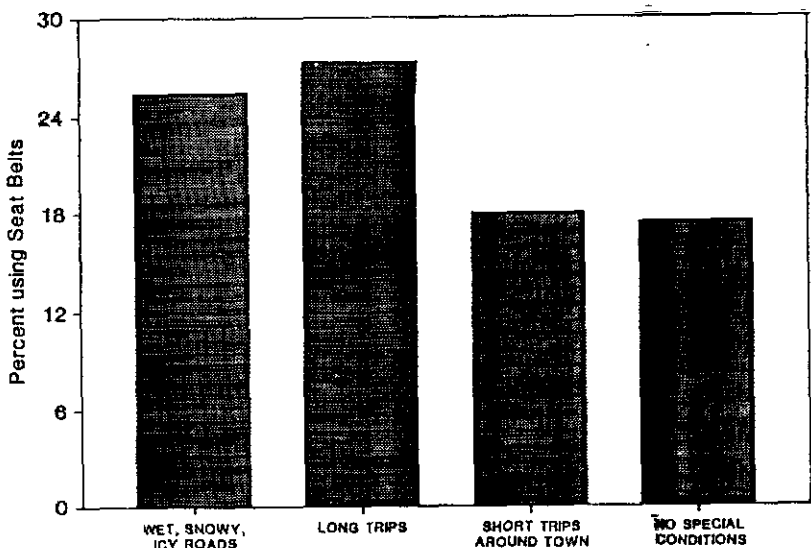
*21 years and older

**PERSONS: SEAT BELT USAGE,
WEATHER CONDITIONS, TRIP LENGTH**

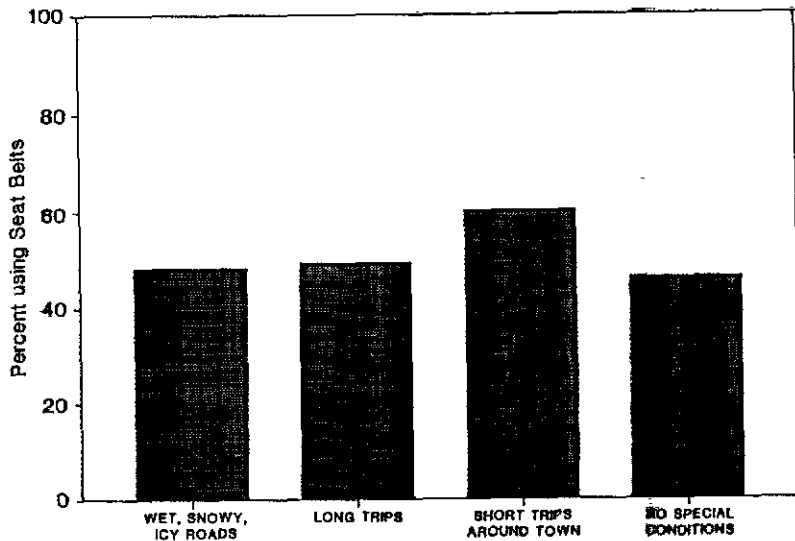
Table 10-4 compares the distributions of persons (age 5 and over) by the frequency of seat belt use under certain conditions.

Compared to normal conditions, an additional 8 percent of household members (totaling 25.5 percent) always used belts when considering roads that were wet or covered with snow or ice. Long trips caused almost 10 percent more persons (totaling 27.4 percent) than normal to always buckle up, while consideration of taking short trips around town persuaded only one-half of 1 percent (totaling 18.0 percent) more to always use seat belts (Figure 10-2). Interestingly, consideration of the special conditions also resulted in more persons choosing never to wear their belts (Figure 10-3). The effect is most pronounced in taking short trips around town, where over 14 percent more persons (totaling 60.2 percent) chose not to wear belts, than in general situations.

**FIGURE 10-2
PROPORTION OF HOUSEHOLD VEHICLE OCCUPANTS WHO ALWAYS WEAR SEAT BELTS UNDER VARIOUS CONDITIONS**



**FIGURE 10-3
PROPORTION OF HOUSEHOLD VEHICLE OCCUPANTS WHO NEVER WEAR SEAT BELTS UNDER VARIOUS CONDITIONS**



**TABLE 10-4
DISTRIBUTION OF PERSONS BY FREQUENCY OF WEARING SEAT BELTS AND SITUATION**

<u>Situation</u>	<u>Always</u>	<u>Most of the Time</u>	<u>Sometimes</u>	<u>Never</u>	<u>Total</u>
Special Conditions					
Roads Wet, Snowy, Icy	25.5	9.8	16.5	48.2	100.0
Long Trips (>75 miles)	27.4	9.1	14.3	49.2	100.0
Short Trips (<75 miles)	18.0	5.4	16.4	60.2	100.0
Overall (Normal Conditions)	17.5	9.8	26.6	46.1	100.0

PERSONS: FUNCTION AND LOCATION IN VEHICLE

The tendency of household members 16 years of age and older to neglect the use of seat belts when riding in the rear seat of a vehicle is shown by the data in Table 10-5. Sixteen percent more household members said that they wore belts as a front seat passenger than as a rear seat passenger. Although 4.7 percent of the respondents were non-committal when asked whether or not they wore belts when driving, the responses of the remaining persons who drove were similar to responses of those who rode as front seat passengers.

PERSONS: SEAT BELT HISTORY

Almost 46 percent of all household members age five or older had worn seatbelts since they became available in vehicles in 1964, since they started driving, or, in the case of younger household members, since childhood (Table 10-6). A slightly higher percentage (46.6 percent) responded that they had never worn seat belts. Only 7 percent switched over to wearing belts after they initially avoided their use.

PERSONS: REASONS FOR STARTING TO WEAR SEAT BELTS

Of the 7 percent of household members who started wearing seat belts in 1964, since they started driving, or since childhood (Table 10-6), over half indicated that safety was a reason for initiating their use (Table 10-7). Between 8 and 11 percent of the respondents indicated that a change to a new vehicle, the setting of a good example for the family, or a previous accident or emergency had influenced their decision to begin the use of belts.

**TABLE 10-5
DISTRIBUTION OF PERSONS BY FREQUENCY OF SEAT BELT USE AND LOCATION IN VEHICLE**

<u>Location in Vehicle</u>	<u>Yes</u>	<u>No</u>	<u>Unknown</u>	<u>Total</u>
Driver*	44.3	51.0	4.7	100.0
Front Seat Passenger	44.7	54.1	1.2	100.0
Rear Set Passenger	28.7	69.9	1.4	100.0

*4.7 percent of household member respondents do not drive.

**TABLE 10-6
DISTRIBUTION OF PERSONS BY SEAT BELT USAGE SINCE 1964***

	<u>Percent</u>
Worn Since 1964*	45.9
Started Wearing after 1964*	7.0
Never Worn Seat Belt	46.6
No Answer	.3
Unknown	.2
TOTAL	100.0

*If started driving after 1964, then since started driving; if 25 years of age or younger, then since childhood.

**TABLE 10-7
DISTRIBUTION OF PERSONS WHO STARTED WEARING SEAT BELTS BY REASON FOR STARTING**

<u>Reason Started Wearing Seat Belt*</u>	<u>Percent</u>
Safety	56.5
Peer Pressure	4.4
Spouse Insisted	5.4
Media Advertisement	6.9
Got Married	1.6
Got Older	3.5
Required by Parent	5.8
Required Employer	3.6
To Set Good Family Example	9.5
Changed to New Vehicle	10.8
Previous Accident or Emergency	8.3
Stop Experience Involving Injury	1.0
Ignition Interlock	1.6
Other	.1

*Respondents indicated all reasons, multiple responses possible; therefore, percentages will not add to 100.

PERSONS: REASONS FOR NOT WEARING SEAT BELTS

Of the household members who have never worn or who did not then wear seat belts, almost 40 percent gave inconvenience as a reason (Table 10-8). Other predominant reasons involved a perception that they are not needed or are uncomfortable and a fear of being trapped in the vehicle in the event of an accident.

MOTORCYCLE RIDERS: USE OF HELMETS, AGE

Figure 10-4 shows the frequency with which household members wore helmets when driving or riding on a motorcycle. Sixty-five percent reported that they always wore them. This contrasts with a slightly lower figure of just under 60 percent which represents the proportion of motorcycle riders involved in accidents in 1983 and reported on NASS accident reports to be wearing helmets. The NPTS data show that almost 16 percent of the motorcycle riders never wore helmets, and just over 18 percent wore them "most of the time" or "sometimes".

Persons between ages 40 and 49 appear to have used helmets less frequently than those in other age groups (Table 10-9), while 100 percent of the riders in their fifties and early sixties were reported to have always worn helmets.

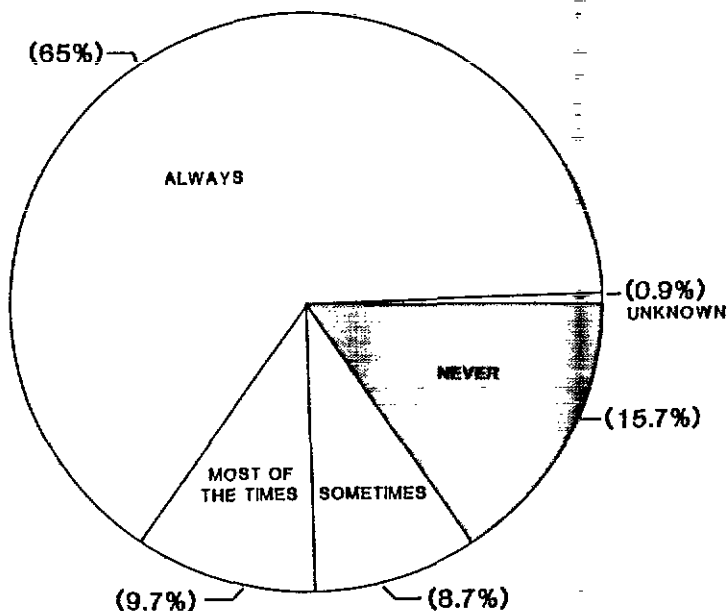
Note: Due to the small sample size, caution should be used in the application of these data.

**TABLE 10-8
DISTRIBUTION OF PERSONS WHO DO NOT WEAR SEAT BELTS BY REASON FOR NOT WEARING**

Reasons Stopped Wearing Seat Belt*	Percent
Inconvenient	38.0
Don't Need Them	8.3
Uncomfortable	26.0
Fear of being Trapped in Vehicle	14.5
Previous Accident Experience	1.6
Don't Work	2.2
Other	25.7

*Respondents indicated all reasons, multiple responses possible; therefore, percentages will not add to 100.

**FIGURE 10-4
FREQUENCY WITH WHICH MOTORCYCLE RIDERS WEAR HELMETS (AGE 5 AND OVER)**



**TABLE 10-9
DISTRIBUTION OF MOTORCYCLE RIDERS BY HELMET USAGE AND AGE**

Age	Wearing Helmet					Total
	Always	Most of the Time	Sometimes	Never	Unknown	
5-15	66.6	4.6	10.8	13.2	4.8	100.0
16-19	66.3	9.5	6.9	17.3	.0	100.0
20-29	63.0	14.3	7.1	15.6	.0	100.0
30-39	63.3	7.7	10.9	16.3	1.8	100.0
40-49	56.0	13.4	7.8	22.8	.0	100.0
50-59	100.0	.0	.0	.0	.0	100.0
60-64	100.0	.0	.0	.0	.0	100.0
65 +	.0	.0	67.9	32.1	.0	100.0
TOTAL	65.0	9.7	8.7	15.7	.9	100.0

Note: Due to the small sample size, caution should be used in the application of these data.

**CHILDREN UNDER FIVE YEARS OF AGE:
SAFETY EQUIPMENT**

Data in Table 10-10 indicate that just over 70 percent of children under five years old who ride in household vehicles had access to a child safety seat. Further, the use of safety equipment other than child seats is shown by the fact that these children usually used a child safety seat, seat belts or some other safety device while a passenger in a household vehicle. Obviously, parental concern and observance of child restraint laws in effect in 1983 in many states, played a large part in the high percentages of both access to and use of safety equipment by children.

**TABLE 10-10
DISTRIBUTION OF CHILDREN UNDER 5 YEARS OF AGE
BY USE OF SAFETY DEVICES BY TYPE USED**

	<u>Yes</u>	<u>No</u>	<u>Unknown</u>	<u>Total</u>
Use Any Safety Device	78.2	20.9	.9	100.0
Use Any Child Safety Seat	70.1	29.2	.7	100.0

**CHILDREN UNDER FIVE YEARS OF AGE:
TYPES OF SAFETY EQUIPMENT USED**

Child safety seats were used most often for children under five years old who rode in household vehicles (Table 10-11). Just over 70 percent of these children used safety seats and 53 percent used seat belts (36 percent lap belts and 17 percent lap and shoulder belts). Child harnesses were used by 4 percent. Only 1.7 percent of the children were reported as being held by another passenger, perhaps indicating recognition of this practice as a poor safety procedure.

**TABLE 10-11
DISTRIBUTION OF PERSONS BY FREQUENCY OF SEAT BELT USE AND
LOCATION IN VEHICLE**

<u>Type of Safety Device</u>	<u>Percent</u>
Safety Seat	70.3
Lap Belt	36.3
Lap and Shoulder Belt	17.3
Child Harness	4.5
Held by Passenger	1.7
Other	1.6

A

GLOSSARY OF TERMS USED IN NPTS

This glossary is provided to assist the user in the interpretation of the NPTS data.

Adult - A person 16 years old or older.

Carpool: A regularly scheduled traveling arrangement whereby two or more persons are riding together in the same vehicle, sharing the driving and/or the cost of the trip, or simply riding together regularly with one or more persons doing the driving. If two or more household members regularly ride to work in the same vehicle, it is also considered a carpool.

Central City: In the 1980 Census, no minimum population size was required. A central city consisted of one or more incorporated places forming the core of an urbanized area. All of the area within the corporate limits was included, but the urban fringe (suburb) was excluded.

Destination: For travel period trips, the destination is the farthest point of travel from the point of origin (usually home) of a one-way trip of 75 miles or more.

In travel day trips, the destination is the point at which there is a break in travel.

Driver: A person who operates a motorized vehicle. If more than one person drives on a single trip, the person who drives the most miles is classified as the principal driver.

Education Level: The number of years of regular schooling completed in graded public, private, or parochial schools, or in colleges, universities, or professional schools, whether day school or night school. Regular schooling is that which advances a person toward an elementary or high school diploma, or a college, university or professional school degree.

Employed: A person is considered employed if there is a definite arrangement for full-time or part-time work for pay on a regular basis. A formal, definite arrangement with one or more employers to work a specified number of hours a week, or days a month, but on an irregular schedule during the work month is also considered employment.

Head of Household: The one person who is regarded as the head by the members of the household. In most cases the husband is the head, if living in the household. In some cases, the head may be a parent of the chief wage earner or the only adult member of the household. An Armed Forces member is considered as the head only if he/she lives at home and is a household member. Only one head is designated for each household.

Household: A group of persons whose usual place of residence is a specific housing unit; these persons may or may not be related to each other. The total of all U.S. households represents the total civilian noninstitutionalized population.

Household Income: The money income of all family members in a household, including those temporarily absent. Includes wages and salary (before deductions), commissions, tips, cash bonuses; net

income from a person's own (unincorporated) business, professional practice, or farm (gross receipts minus business expenses); pensions, dividends, interest, unemployment or workmen's compensation, social security, veterans' payments, rent received from owned property (minus the operating costs), public assistance payments, regular gifts of money from friends or relatives not living in the household, alimony, child support, and other kinds of periodic money income other than earnings. Excludes income in kind, such as room and board, insurance payments, lump-sum inheritances, occasional gifts of money from persons not living in the same household, money received from selling one's house, car, or other personal property, withdrawal of savings from banks, and tax refunds.

Household Members: All people, whether present or temporarily absent, whose usual place of residence is in the sample unit, or people staying in the sample unit who have no other usual place of residence elsewhere.

Household Vehicle: A motorized vehicle that is owned, leased, rented or company owned and left at home to be regularly used by household members during the reference period. Includes vehicles used solely for business purposes if kept at home, e.g., taxicabs, police cars, etc., which may be owned by, or assigned to, household members for their regular use. Includes vehicles brought home by a car sales person or auto mechanic, only if the vehicle was available for use by him (her) during the 14-day reference period. Includes all vehicles that were owned or available for use by members of the household during the reference period even though a vehicle may have been sold before the interview. Excludes vehicles that were not working and not expected to be working within 60 days, and vehicles that were purchased or received after the designated travel day.

Licensed Driver: Any person who holds a valid driver's license from any state.

Means of Transportation: A personal mode used for going from one place (origin) to another (destination). Includes private and public motorized modes, as well as walking. The following personal transportation modes, grouped by major modes, are included:

Private Vehicle

- Automobile: A privately owned and/or operated licensed motorized vehicle including cars, jeeps, dune buggies, and station wagons. Also includes leased and rented cars if they are privately operated and not picking up passengers in return for fare.

- Passenger Van: Privately owned and/or operated vans and buses designed to carry from 5-13 passengers.

- Pickup truck/other van: A motorized vehicle, privately owned and/or operated, with four to six tires, built on a chassis comparable to that of a passenger car. Accommodates fewer than five passengers. Includes travel trucks (service trucks) when they are not being used for commercial purposes.
- Other truck: The private use, either as a passenger or driver, of all other types of trucks, i.e., dump trucks, trailer trucks, etc., when they are not being used for commercial purposes.
- Motorized Camper Coach: Includes recreational vehicles that are operated as a self-contained unit without being hitched to another vehicle, for example, a motor home.
- Motorcycle: Includes large, medium, and small motorcycles. Does not include minibikes, etc., which cannot be licensed for highway use.
- Walk: Includes jogging, walking, etc., provided the origin and destination are not the same. Going for a walk does not constitute a trip for NPTS purposes.
- School bus: Includes county school buses, private school buses, and buses chartered from private companies for the express purpose of carrying students to or from school and/or school-related activities. Does not include school buses chartered or reserved for other trips, such as church outings; these are included under "other."
- Motorized bicycle (often called a moped): Includes bicycles equipped with both pedals and a small engine, typically one horsepower or less.
- Other: Includes any types of transportation not included above.

Public Transportation

- Bus: Includes intercity buses, etc.; mass transit systems and shuttle buses that are available to the general public. Also includes senior citizen buses or similar bus services that are available to the public. Does not include shuttle buses operated by a government agency or private industry for the convenience of employees, contracted or chartered buses or school buses. These latter types are included in "other" modes.
- Train: Includes commuter trains and passenger trains other than elevated trains and subways. Includes both local and intercity train service.
- Streetcar: Includes trolleys, streetcars, and cable cars.
- Subway: Includes passenger trains which may run beneath or above the surface of the streets in a city.

Other

- Airplane: Includes commercial airplanes and smaller planes that are available for use by the general public in exchange for a fare. Private planes and helicopters are included under "other."
- Taxi: The use of a taxicab by a driver for hire or by a passenger for fare. Also includes airport limousines. Does not include rental cars if they are privately operated and not picking up passengers in return for fare.
- Truck (commercial use): Includes the commercial use, either as a driver or a passenger, of pickups, dump trucks, and trailer trucks being operated for business-related purposes.
- Bicycles: Includes bicycles of all speeds and sizes and minibikes.

Motorized Vehicle: Includes all vehicles that are licensed for highway driving. Specifically excluded are snowmobiles, minibikes, etc.

Occupancy: The number of persons, including driver and passenger(s) in a vehicle.

Origin: Starting point of a trip. For travel period trip, the point of origin is defined as home.

Owned Vehicle: Includes all vehicles that one or more household members have purchased for private use regardless if paid for in full, or a gift or legacy to a household member for private use.

Passenger: For a specific trip, any occupant of a motorized vehicle other than the driver.

Person Miles of Travel (PMT): A measure of person travel. When one person travels one mile, one person mile of travel results. When two or more persons travel together in the same vehicle, each person makes the same number of person miles as the vehicle miles. Therefore, four persons traveling five miles in the same vehicle, make 4 times 5 vehicle miles or 20 person miles.

Person Trip: A person trip is a trip by one or more persons in any mode of transportation. Each person is considered as making one person trip. For example, four persons traveling together in one auto make four person trips.

Rural Area: Any area outside of an urban place.

Safety Devices: As applied to private vehicles, includes restraints such as seat belts, child harness and/or child safety seat, and the use of a helmet when riding/driving a motorcycle.

Standard Metropolitan Statistical Area (SMSA): Except in the New England States, a standard metropolitan statistical area is a county or group of contiguous counties that contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition, contiguous counties are included in an SMSA if, according to certain criteria, they are

socially and economically integrated with the central city. In the New England States, SMSA's consist of towns and cities instead of counties.

Station Wagon: A passenger vehicle, having an enclosed body of paneled design with two or more seats, where the rear seats can be removed or folded down to create larger luggage or freight compartments.

Travel Day: A 24-hour period from 4:00 a.m. to 3:59 a.m. designated by the Bureau of the Census as the reference period for studying trips and travel of a particular household.

Travel Period: The 13 days immediately preceding and including the travel day of a household for a total of 14 days.

Traveler: A person reporting a travel day and/or travel period trips(s).

Traveling Household: A household reporting at least one travel day and/or travel period trip.

Trip (Travel Day): A travel day trip is defined as any one-way travel from one address (place) to another by private motor vehicle, public transportation, bicycle, or walking. Jogging and walking for exercise are excluded. When travel is to more than one destination, a separate trip exists each time one or both of the following criteria is satisfied:

a. The traveltime between two destinations exceeds 5 minutes.

b. The purpose for travel to one destination is different from the purpose for travel to another.

The one exception is travel within a shopping center or mall. It is to be considered travel to one destination, regardless of the number of stores visited.

Trip (Travel Period): A travel period trip is a trip that is 75 miles or more from home (one way) and return to home.

Trip Duration: For travel day trips, duration is usually measured in minutes. For travel period trips, the number of nights spent away from home on a single trip, including time (nights) spent en route and at the destination.

Trip Purpose: The main reason that motivated the trip. For purposes of this survey, there are 11 trip reasons for travel day trips. If there is more than one reason, and the reasons do not involve different destinations, then only the main reason is chosen. If there are two or more reasons, and they each involve different destinations, then each reason is classified as a separate trip. For travel period trips, if there was more than one reason, the primary and secondary reasons were collected. Tabulations of travel period trips in this report are classified by the primary reason only. The 11 trip reasons (grouped into the four major purposes) are defined as follows:

Earning a Living

- To or from work: Includes travel to a place where one reports for work. It does not include any other work-related travel.
- Work-related business: Trips related to business activities except to the place of work; for example, a plumber drives to a wholesale dealer to purchase supplies for his business.

Family and Personal Business

- Shopping: Includes "window shopping" and purchases of commodities such as groceries, furniture, textiles, etc., for use or consumption elsewhere.
- Doctor or dentist: Trips made for medical, dental, or psychiatric treatment or other related professional services.
- Other family or personal business: Includes purchase of services such as cleaning garments, beauty parlor treatments, servicing of an auto, etc. Also includes trips taken to attend organized functions of the family or friends, such as weddings, graduations, reunions, etc.

Civic, Educational, and Religious

- School/Church: Trips to political rallies, legislative hearings, voting places, etc.; to school, college, or university for class(es), PTA meetings, seminars, etc.; to church services or to participate in other religious activities. Social activities that take place at a church or school are not classified as religious or educational.

Social and Recreational

- Vacation: Trips reported by the respondent as "vacation."
- Visit friends or relatives: Trips made to visit friends or relatives but not prompted by organized family affairs or an emergency.
- Pleasure driving: Includes driving trips made with no other purpose listed here but to "go for a drive" with no destination in mind: for example, a Sunday drive in the country.
- Other: Any purpose for a trip that does not fit into one of the above categories. For example, going to dinner with friends, attending movies/theater, etc.

Type Z Noninterview: A person living in an interviewed household, but who was not interviewed for the survey. Therefore, certain demographic information is available, but no trip information could be collected.

Urban Areas: Defined by the Bureau of the Census as follows:

a. A place of 2,500 inhabitants or more incorporated as a city, borough, village, or town (except towns in New England, New York, and Wisconsin);

b. The densely settle fringe, whether incorporated or not, or urbanized areas;

c. Towns in New England and townships in New Jersey and Pennsylvania that contain no incorporated municipalities as subdivisions and have either 25,000 inhabitants or more, or a population of 2,500 to 25,000 and a density of 1,500 persons or more per square mile;

d. Counties in states other than the New England States, New Jersey, and Pennsylvania that have no incorporated municipalities within their boundaries and have a density of 1,500 persons or more per square mile; or

e. Unincorporated places of 2,500 inhabitants or more.

Urbanized Area: Consists of a central city or cities and surrounding closely settled territory or "urban fringe."

An urbanized area comprises an incorporated place and adjacent densely settled surrounding area that together have a minimum population of 50,000. The densely settled surrounding area consists of:

1. Contiguous incorporated places or census designated places having:

a. A population of 2,500 or more; or,

b. A population of fewer than 2,500 but having either a population density of 1,000 persons per square mile, closely settled area containing a minimum of 50 percent of the population, or a cluster of at least 100 housing units.

2. Contiguous unincorporated area which is connected by road and has a population density of at least 1,000 persons per square mile.

3. Other contiguous unincorporated area with a density of less than 1,000 persons per square mile, provided that it:

a. Eliminates an enclave of less than 5 square miles which is surrounded by built-up area.

b. Closes an indentation in the boundary of the densely settled area that is no more than 1 mile across the open end and encompasses no more than 5 square miles.

c. Links an outlying area of qualifying density, provided that the outlying area is:

- connected by road to, and is not more than 1 1/2 miles from, the main body of the UA.

- separated from the main body of the UA by water or other undevelopable area, is connected by road to the main body of the UA, and is not more than 5 miles from the main body of the UA.

4. Large concentrations of nonresidential urban area (such as industrial parks, office areas, and major airports), which have at least one-quarter of their boundary contiguous to a UA.

Vehicle - In the 1969 survey, vehicle refers to autos and passenger vans owned or available to the household. In the 1977 and 1983 surveys, the term vehicle was expanded to include pickups and other light trucks, RV's, motorcycles and mopeds owned or available to the household. Estimates show that in 1969 there were an additional 7.5 million pickups and other light trucks that are not reflected in the 1969 NPTS data.

Vehicle Mile of Travel (VMT): A unit to measure vehicle travel made by a household vehicle: automobile, vanbus/minibus, pickup truck/other van, other truck (personal use), motorcycle, self-contained recreational vehicle, and taxi (personal use). Each mile traveled is counted as one vehicle mile regardless of the number of persons in the vehicle.

Vehicle Trip: For purposes of this study, a vehicle trip is a trip made in a private vehicle regardless of the number of persons in the vehicle.

Vehicle Type: For purposes of this study, one of the 11 vehicle types used for coding purposes in the household motorized vehicle record of the Questionnaire. These include automobile, station wagon, etc.

B

1983 NPTS SURVEY FORM

PGM 1 Y

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
ACTING AS THE
THE DEPARTMENT OF TRANSPORTATION

NATIONWIDE PERSONAL TRANSPORTATION STUDY QUESTIONNAIRE 1983

Form NPTS-1
19-JD-83

NOTICE - Your report to the Census Bureau is confidential by law (Title 13, U.S. Code). It may be seen only by sworn Census employees and may be used only for statistical purposes.

D.M.B. No. 2125-0195
Approval Expires December 31, 1983

1. R.O. PSU NPTS serial CK digit Extra unit suffix Segment Serial Travel Mo. Day

2. What is your exact address?
Address (Include House No., St., Apt. No., or other identification)

Place _____ ZIP code _____

3. TYPE OF STRUCTURE

1 Single family detached
2 Single family attached to 1 or more structures
3 Single family trailer or mobile home
4 Multi-family 2-4 units
5 Multi-family over 4 units
6 Other - Specify X

4. TENURE

Are your living quarters:
1 Owned or being bought by someone in your household?
2 Rented for cash?
3 Occupied without cash payment of rent?

5. LAND USE

ASK ONLY IF MARKED

2. Does this place you (own/rent) have 10 acres or more?
1 Yes
2 No

b. During the past 12 months, how much did sales of crops, livestock, and other farm products from this place amount to?
1 \$1,000 or more
2 \$250-\$999
3 \$50-\$249
4 Less than \$50

6. EXTRA UNIT

Are there any occupied or vacant quarters besides your own at (street) address and unit designation, if any?
1 Yes - Complete this interview, then contact your Regional Office for instructions on handling the extra unit.
2 No - Go to Household Information page.

RECORD OF INTERVIEW

a. Questionnaire of questionnaires _____

b. Interviewer code _____

c. Letter sent (Circle one) Y N

d. Line number of Household respondent _____

e. Date completed FROM: Mo. | Date TO: Mo. | Date

f. Designated travel period

7. TRANSCRIBE (From sections V and VI)

Total number of household trips _____

a. 14-day travel period _____

b. Travel day _____

8. INTERVIEWER - Indicate the time of sunrise and sunset on travel day.
a. Sunrise _____
b. Sunset _____

9. NONINTERVIEW STATUS

TYPE A

(101) 1 No one home
2 Temporarily absent
3 Refused
4 Unable to locate
5 Other - occupied

RACE OF REFERENCE PERSON

(102) 1 White
2 Black
3 Other

TYPE B

(103) 6 Vacant - regular household furniture
7 Vacant - storage of household furniture by persons with URE (except college housing)
8 Temporarily occupied (except college housing)
9 Unit or to be demolished not ready
10 Under construction, not ready

TYPE C

(104) 15 Demolished
16 House or trailer moved
17 Converted to permanent business or storage
18 Merged
19 Condemned
20 Other - Specify _____

10. TYPE Z - Noninterview Interview not obtained for:

1 - Household member refused
2 - Proxy refused
3 - Other - Specify _____

Line No. Reason (Enter code from above):

(103)	
(104)	
(105)	
(106)	
(107)	
(108)	
(109)	
(110)	
(111)	
(112)	

11. TYPE Z - Noninterview Interview not obtained for:

1 - Household member refused
2 - Proxy refused
3 - Other - Specify _____

Line No. Reason (Enter code from above):

(103)	
(104)	
(105)	
(106)	
(107)	
(108)	
(109)	
(110)	
(111)	
(112)	

12. TYPE Z - Noninterview Interview not obtained for:

1 - Household member refused
2 - Proxy refused
3 - Other - Specify _____

Line No. Reason (Enter code from above):

(103)	
(104)	
(105)	
(106)	
(107)	
(108)	
(109)	
(110)	
(111)	
(112)	

13. TYPE Z - Noninterview Interview not obtained for:

1 - Household member refused
2 - Proxy refused
3 - Other - Specify _____

Line No. Reason (Enter code from above):

(103)	
(104)	
(105)	
(106)	
(107)	
(108)	
(109)	
(110)	
(111)	
(112)	

14. TYPE Z - Noninterview Interview not obtained for:

1 - Household member refused
2 - Proxy refused
3 - Other - Specify _____

Line No. Reason (Enter code from above):

(103)	
(104)	
(105)	
(106)	
(107)	
(108)	
(109)	
(110)	
(111)	
(112)	

15. TYPE Z - Noninterview Interview not obtained for:

1 - Household member refused
2 - Proxy refused
3 - Other - Specify _____

Line No. Reason (Enter code from above):

(103)	
(104)	
(105)	
(106)	
(107)	
(108)	
(109)	
(110)	
(111)	
(112)	

HOUSEHOLD INFORMATION												
LINE NUMBER	HOUSEHOLD ROSTER (Last name first) What are the names of all persons living or staying here? Start with the name of the person or one of the persons who owns or rents this home.	RELATIONSHIP TO REFERENCE PERSON (RP) Ask if not apparent. What is ...'s relationship to (read name of RP)? Enter code from below. Examples: Wife, parent, sister, daughter-in-law, wife, lodger, lodger's wife, etc.	HOUSEHOLD MEMBER		BIRTH DATE/AGE 15a. What is ...'s date of birth? Example: 01-20-63 Verify age using age verification chart in information booklet (page 16). 15b. ... is new age? Is that correct?	SEX Ask if not apparent. 1 - Male 2 - Female Mark (X) appropriate box.	MARRITAL STATUS For persons 15+ Ask if not apparent. 1 - Married 2 - Widowed 3 - Divorced 4 - Separated 5 - Never married? Enter code below	EDUCATION For persons 5 years and older What is the highest grade (or year) of regular school ... has ever attended? Enter code from below.	ARMED FORCES Ask if 17-65 Is ... now in the Armed Forces? 1 - Yes 2 - No Mark (X) appropriate box.	RACE What is the race of each person in the household? Enter code from below. If "Other," specify. Show information card booklet B.	ETHNIC ORIGIN What is ...'s ethnic origin or descent? Enter code from below. Show information card booklet C. Skip to Read Statement at top of page 4.	
			Does ... usually live here? 1 - Yes 2 - No If no, probe URE. Mark (X) appropriate box.	14. Yes No 15a. Mo. Day Year Age 15b. Male Female								
11.	12a.	12b.	14.	15a.	15b.	16.	17.	18a.	18b.	19.	20.	21.
1		Reference Person	1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
2			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
3			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
4			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
5			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
6			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
7			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
8			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
9			1 <input type="checkbox"/> 2 <input type="checkbox"/>						1 <input type="checkbox"/> 2 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		

13. I have listed (read names in 12a) Have I missed - - Any babies or small children?	Mark (X) appropriate box <input type="checkbox"/> Yes <input type="checkbox"/> No
- Any lodgers, boarders, or persons you employ who live here?	<input type="checkbox"/> Yes <input type="checkbox"/> No
- Anyone who usually lives here but is away now - traveling or in a hospital?	<input type="checkbox"/> Yes <input type="checkbox"/> No
- Anyone else staying here?	<input type="checkbox"/> Yes <input type="checkbox"/> No

RELATIONSHIP CODES	EDUCATION CODES	RACE CODES	ETHNIC ORIGIN CODES
1 - Reference person with other relatives in household 2 - Reference person with no other relatives in household 3 - Spouse of reference person 4 - Child of reference person 5 - Parent of reference person 6 - Brother/sister of reference person 7 - Other relative of reference person 8 - Nonrelative of reference person with own relatives in household 9 - Nonrelative of reference person with no own relatives in household	00 - Never attended, preschool, or kindergarten 01-12 - 1st. grade through 12th grade or equivalent (high school diploma/GED) 21 - First (freshman) year of college or equivalent 22 - Second (sophomore) year of college or equivalent (AA/AS degree) 23 - Third (junior) year of college or equivalent 24 - Fourth (senior) year of college or equivalent 31 - 1 year of graduate school 32 - 2 or more years of graduate school	1 - White 2 - Black 3 - Asian, Pacific Islanders 4 - American Indian, Aleut, Eskimo 5 - Other	01 - German 02 - Italian 03 - Irish 04 - French 05 - Polish 06 - Russian (Spanish country) 07 - English 08 - Scottish 09 - Welsh 10 - American American (Black or Negro) 11 - Chinese 12 - Mexican 13 - Puerto Rican 14 - Cuban 15 - Central or South American (Spanish country) 16 - Other Spanish 17 - Afro American (Black or Negro) 18 - Another group not listed 19 - Don't know

GO TO ITEM 14

1. DOW REPORT 1 (9-20-63)

HOUSEHOLD INFORMATION - Continued

ASK AT END OF HOUSEHOLD RESPONDENT INTERVIEW

<p>22a. What is your telephone number? <input type="checkbox"/> No telephone</p> <p>Number _____</p>	<p>22b. What is the best time to call or visit?</p> <p>a.m. p.m.</p>	<p>CHECK ITEM A</p> <p>Are non-family members entered above in item 12b?</p> <p><input type="checkbox"/> Yes - Ask 23b <input type="checkbox"/> No - SKIP to Check Item B</p>																			
<p>INCOME <i>SHOW FLASHCARD D</i></p> <p>23a. Which of these income groups represents your total combined family income from ALL sources for the past 12 months - that is, yours, your . . . 's, etc. Include income from all sources such as wages and salaries, net income from business or farm, Social Security, pensions, dividends, interest, rent and any other money income received by members of this family.</p> <p style="text-align: right;">(113) Enter code → <input type="checkbox"/> <input type="checkbox"/></p>		<p><i>SHOW FLASHCARD D</i></p> <p>23b. Which of these income groups represents the total combined income for the past 12 months of all non-family members; that is . . . (Read name(s) of non-family member(s)? Include income from all sources.</p> <p><i>If respondent cannot or will not give the income of the non-family members, you must ask each non-family member for his/her income for the past 12 months and mark the correct category for the total combined non-family income.</i></p>	<p>INCOME CATEGORIES <i>Mark (X) appropriate box</i></p> <table style="width:100%; border: none;"> <tr> <td style="width:33%;">(114) 01 <input type="checkbox"/> Under \$5,000</td> <td style="width:33%;">07 <input type="checkbox"/> \$30,000-34,999</td> <td style="width:33%;">13 <input type="checkbox"/> \$60,000-64,999</td> </tr> <tr> <td>02 <input type="checkbox"/> \$5,000-9,999</td> <td>08 <input type="checkbox"/> 35,000-39,999</td> <td>14 <input type="checkbox"/> 65,000-69,999</td> </tr> <tr> <td>03 <input type="checkbox"/> 10,000-14,999</td> <td>09 <input type="checkbox"/> 40,000-44,999</td> <td>15 <input type="checkbox"/> 70,000-74,999</td> </tr> <tr> <td>04 <input type="checkbox"/> 15,000-19,999</td> <td>10 <input type="checkbox"/> 45,000-49,999</td> <td>16 <input type="checkbox"/> 75,000-79,999</td> </tr> <tr> <td>05 <input type="checkbox"/> 20,000-24,999</td> <td>11 <input type="checkbox"/> 50,000-54,999</td> <td>17 <input type="checkbox"/> 80,000 or more</td> </tr> <tr> <td>06 <input type="checkbox"/> 25,000-29,999</td> <td>12 <input type="checkbox"/> 55,000-59,999</td> <td></td> </tr> </table>	(114) 01 <input type="checkbox"/> Under \$5,000	07 <input type="checkbox"/> \$30,000-34,999	13 <input type="checkbox"/> \$60,000-64,999	02 <input type="checkbox"/> \$5,000-9,999	08 <input type="checkbox"/> 35,000-39,999	14 <input type="checkbox"/> 65,000-69,999	03 <input type="checkbox"/> 10,000-14,999	09 <input type="checkbox"/> 40,000-44,999	15 <input type="checkbox"/> 70,000-74,999	04 <input type="checkbox"/> 15,000-19,999	10 <input type="checkbox"/> 45,000-49,999	16 <input type="checkbox"/> 75,000-79,999	05 <input type="checkbox"/> 20,000-24,999	11 <input type="checkbox"/> 50,000-54,999	17 <input type="checkbox"/> 80,000 or more	06 <input type="checkbox"/> 25,000-29,999	12 <input type="checkbox"/> 55,000-59,999	
(114) 01 <input type="checkbox"/> Under \$5,000	07 <input type="checkbox"/> \$30,000-34,999	13 <input type="checkbox"/> \$60,000-64,999																			
02 <input type="checkbox"/> \$5,000-9,999	08 <input type="checkbox"/> 35,000-39,999	14 <input type="checkbox"/> 65,000-69,999																			
03 <input type="checkbox"/> 10,000-14,999	09 <input type="checkbox"/> 40,000-44,999	15 <input type="checkbox"/> 70,000-74,999																			
04 <input type="checkbox"/> 15,000-19,999	10 <input type="checkbox"/> 45,000-49,999	16 <input type="checkbox"/> 75,000-79,999																			
05 <input type="checkbox"/> 20,000-24,999	11 <input type="checkbox"/> 50,000-54,999	17 <input type="checkbox"/> 80,000 or more																			
06 <input type="checkbox"/> 25,000-29,999	12 <input type="checkbox"/> 55,000-59,999																				
<p>GO TO CHECK ITEM A →</p>		<p>CHECK ITEM B</p> <p>Refer to item 15b.</p> <p>Are household members age 5-13 listed above?</p> <p><input type="checkbox"/> Yes - SKIP to section V and conduct proxy interview with household respondent for household members aged 5 through 13. <input type="checkbox"/> No - SKIP to section III and interview next household member age 14+. If no other household members - END INTERVIEW.</p>																			

NOTES

Section 1 - MOTORIZED VEHICLE RECORD

READ - Now I would like to ask you some questions about motor vehicles owned or used by members of this household.

PGM 2 V

24a. How many licensed motorized vehicles were owned, or available for use on a regular basis, by members of this household during the period from _____ to _____ (14-day travel periods). Include leased or company-owned licensed motorized vehicles. Also include motorized bicycles (MOPEDS) whether licensed or not.

(115)

Number of vehicles
a None - SKIP to section 11

Ask item 24c and enter all vehicle types. Then complete 24d through 24j for the first vehicle before recording the information for the second vehicle, etc.

b. Vehicle number	c. What type(s) of vehicle is it (are they)? Use codes below: 1 - Automobile 2 - Station wagon 3 - Passenger van 4 - Other van 5 - Pickup truck 6 - Pickup with camper 7 - Other truck 8 - Motorized camper coach 9 - Motorcycle 10 - Motorized bicycle/moped 11 - Other (o.v.) - Specify below	d. What is the make and model? Example: Dodge, Omni, Plymouth, Duster, Volkswagen, Rabbit, etc.	e. OFFICE USE ONLY		f. Does it have automatic or manual transmission? 1 - Automatic 2 - Manual Mark (X) appropriate box	g. How many cylinders does it have? Enter code "17" if Rotary	h. Is it air conditioned? 1 - Yes 2 - No Mark (X) appropriate box		i. What do you consider to be the seating capacity of this vehicle?	j. Is this vehicle equipped with: Mark (X) all that apply SHOW FLASHCARD E 1 - Lap belt front seat 2 - Lap belt rear seat 3 - Lap and shoulder belt front seat 4 - Air bag 5 - Automatic belts 6 - Other - Specify below 0 - None of these	k. Who owns the vehicle? Use codes below: 1 - Owned by member(s) of household 2 - Company-owned 3 - Leased 4 - Rented 5 - Other - Specify below	l. Was it purchased, received, or used? 1 - New 2 - Used Mark (X) appropriate box		m. What was the date of purchase or receipt? (For vehicles purchased within the 12 months ending MONTH and YEAR, enter year only) Enter numerals.		n. Is this vehicle used at least 4 times a month to go to work? 1 - Yes 2 - No Mark (X) appropriate box.		o. About how many miles was this vehicle driven during the last 12 months for purchase, if less than 12 months ago? Please include mileage driven by all drivers.	p. What type of fuel does this vehicle usually use? 1 - Gas unleaded 2 - Gas leaded 3 - Diesel 4 - Other - Specify below Enter code
			Auto.	Man.			Yes	No				New	Used	Month	Year	Yes	No		
1				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
2				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
3				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
4				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
5				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
6				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
7				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
8				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		
9				<input type="checkbox"/> 2			<input type="checkbox"/> 2		<input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 0		<input type="checkbox"/> 1	<input type="checkbox"/> 2				<input type="checkbox"/> 1	<input type="checkbox"/> 2		

Section II - AVAILABILITY OF PUBLIC TRANSPORTATION

READ - Now I would like to ask about public transportation in the area.

PGM 2+

25a. Is public transportation, other than taxis, available within 2 miles of your home?

- (201) 1 Yes
 2 No
 3 Don't know } SKIP to 26

b. Other than taxis, how far from your home is the NEAREST public transportation stop?

- (202) 1 Less than 3 blocks (less than 1/4 mile)
 2 3-6 blocks (1/4-1/2 mile)
 3 7-12 blocks (more than 1/2 mile, but not more than 1 mile)
 4 13-24 blocks (more than 1, not greater than 2 miles)
 5 More than 2 miles
 6 Don't know } SKIP to 26

c. What type of transportation is it?

- (203) 1 Bus
 2 Train
 3 Streetcar
 4 Subway or elevated rail
 5 Other - Specify _____

NOTES

B-5

Section III - OCCUPATION AND TRAVEL TO WORK Ask all household members 16 years or older		PGM 2 v
		(301) _____ Household member line number - SKIP to section V if household member less than 16 years of age.
READ - Now I would like to ask you some questions about ... occupation.		
26a. What were (was) ... doing most of last week (working, keeping house, going to school, or something else)?	(302)	<input type="checkbox"/> Working - SKIP to 26d <input type="checkbox"/> With a job but not at work - SKIP to 26d <input type="checkbox"/> Looking for work <input type="checkbox"/> Keeping house <input type="checkbox"/> Going to school <input type="checkbox"/> Unable to work - SKIP to section IV <input type="checkbox"/> Retired <input type="checkbox"/> Other - Specify _____
b. Did ... do any work at all last week, not counting work around the house?	(303)	<input type="checkbox"/> Yes - SKIP to 26d <input type="checkbox"/> No
c. Did ... have a job or business from which ... was (were) temporarily absent last week?	(304)	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to section IV
d. For whom did ... work? (For Armed Forces, enter the particular branch)		_____
e. What kind of business or industry is this? (For Armed Forces, enter "Same as above")	(305)	_____ _____ _____
f. What kind of work were (was) ... doing? (For example, electrical engineer, stock clerk, typist, farmer, Armed Forces) NOTE: Single word entries seldom give sufficient description.	(306)	_____ _____ _____
g. What were (was) ... most important activities as a (read entry from 26f)? (For example, typing, keeping account books, selling cars, Armed Forces).		_____
h. Were (was) ... -	(307)	<input type="checkbox"/> An employee of a PRIVATE company, business, or individual for wages, salary, or commissions? <input type="checkbox"/> A GOVERNMENT employee (Federal, State, county, or local)? SELF-EMPLOYED in OWN business, professional practice or farm? Is it incorporated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Working without pay in family business or farm?
27. What is ... principal means of transportation to work? Mark (X) one box	(308)	<input type="checkbox"/> Auto (includes personal use taxi) <input type="checkbox"/> Station wagon <input type="checkbox"/> Passenger van <input type="checkbox"/> Other van <input type="checkbox"/> Pickup truck <input type="checkbox"/> Pickup with camper <input type="checkbox"/> Other truck <input type="checkbox"/> Motorized camper coach <input type="checkbox"/> Motorcycle <input type="checkbox"/> Motorized bicycle/moped <input type="checkbox"/> Other (P.O.V.) - Specify _____ <input type="checkbox"/> Bus <input type="checkbox"/> Train <input type="checkbox"/> Streetcar <input type="checkbox"/> Elevated rail or subway <input type="checkbox"/> Airplane <input type="checkbox"/> Taxi (commercial use) <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk <input type="checkbox"/> School bus. <input type="checkbox"/> Other - Specify _____ <input type="checkbox"/> Work at home - SKIP to section IV

PSM 2

Section III - OCCUPATION AND TRAVEL TO WORK - Continued
Ask all household members 16 years or older

Household member line number _____
CHECK ITEM C Is one of the codes 01-08 or 11 entered in item 27?
 Yes
 No - SKIP to 30a

28a. Is this a regular arrangement of 2 or more persons traveling to work together such as a carpool or vanpool?
 No - SKIP to 29
YES - How many persons, including . . . ?
Persons _____

b. Do (Does) . . . share driving, drive others only or ride only?
 Share driving
 Drive others only
 Ride only
SKIP to 30a

29. What is the reason that . . . travel(s) to work alone?
Any other reason?
Mark (X) ALL that apply
 1 Irregular or unusual work hours
 2 Irregular work location
 3 Need car for work or errands
 4 It is out of the way to pick people up
 5 Riders are not dependable and require extra waiting
 6 Prefer to have car available for emergencies and occasional overtime or errands
 7 Like privacy
 8 Don't know of anyone to ride with
 9 Don't trust others' driving
 10 Just don't want to call others about carpooling
 11 Other - Specify

30a. In the last year have (has) . . . principal means of transportation to work changed?
 Yes
 No - SKIP to Check item D
3 Did not work last year - SKIP to Check item D
4 Worked at home last year - SKIP to Check item D

b. What was the reason for the change?
Any other reason?
Mark (X) ALL that apply
 1 Change of residence
 2 Change of job location
 3 Previous means too expensive
 4 Previous means unsatisfactory
 5 Previous means no longer available
 6 Public transportation has become available
 7 Other - Specify

31. What was the principal means of transportation to work before this latest change?
Mark (X) one box
10 Motorized bicycle/moped
11 Other (P.O.V.) - Specify
12 Bus
13 Train
14 Streetcar
15 Elevated rail or subway
16 Airplane
17 Taxi (commercial use)
18 Bicycle
19 Walk
20 School bus
21 Other - Specify
25 Work at home

CHECK ITEM D Is one of the codes 01-11 entered in 27?
 Yes - Ask 32a
 No - SKIP to 33

Section III - OCCUPATION AND TRAVEL TO WORK - Continued
Ask all household members 16 years or older

_____ Household member line number

32a. Does ... employer provide ... a parking place at work?

- 318 1 Yes
 2 No

b. Do (Does) ... pay for parking at work?

- 319 1 Yes
 2 No

33. What is the one-way distance from ... home to ... present place of work?

- 320 _____ Mile(s)
 0 Less than 1/2 mile
 777777 No fixed place - SKIP to section IV

34. How long does it usually take ... to get from home to work?

- 321 _____ Minutes

NOTES

PGM 2 +

<p align="center">Section IV - DRIVER INFORMATION <i>Ask all household members 16 years or older</i></p>	<p>400 _____ Household member line number</p>																								
<p><i>If respondent has already indicated that he/she drives, verify and mark appropriate box</i> 35a. Are you a licensed driver?</p>	<p>401 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to section V</p>																								
<p>b. About how many miles did you personally drive during the past 12 months? Please include mileage driven in all licensed motorized vehicles.</p>	<p>402 _____ Miles</p>																								
<p>CHECK ITEM E Is there an entry in item 27 for this respondent (to indicate that he/she has a job)?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to section V</p>																								
<p>36a. As an essential part of your work do you drive a licensed motorized vehicle such as a car, van, truck, taxi, or motorcycle?</p>	<p>403 0 <input type="checkbox"/> No - SKIP to section V Yes - Which type of vehicle? <i>Mark (X) one box - if more than one type, mark the type most often driven.</i></p> <table border="0"> <tr> <td>01 <input type="checkbox"/> Auto (includes personal use taxi)</td> <td>09 <input type="checkbox"/> Motorcycle</td> <td>21 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></td> </tr> <tr> <td>02 <input type="checkbox"/> Station wagon</td> <td>10 <input type="checkbox"/> Motorized bicycle/moped</td> <td></td> </tr> <tr> <td>03 <input type="checkbox"/> Passenger van</td> <td>11 <input type="checkbox"/> Other (P.O.V.) - Specify <input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>04 <input type="checkbox"/> Other van</td> <td></td> <td></td> </tr> <tr> <td>05 <input type="checkbox"/> Pickup truck</td> <td></td> <td></td> </tr> <tr> <td>06 <input type="checkbox"/> Pickup with camper</td> <td>12 <input type="checkbox"/> Bus</td> <td></td> </tr> <tr> <td>07 <input type="checkbox"/> Other truck</td> <td>17 <input type="checkbox"/> Taxi (commercial use)</td> <td></td> </tr> <tr> <td>08 <input type="checkbox"/> Motorized camper coach</td> <td>20 <input type="checkbox"/> School bus</td> <td></td> </tr> </table>	01 <input type="checkbox"/> Auto (includes personal use taxi)	09 <input type="checkbox"/> Motorcycle	21 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/>	02 <input type="checkbox"/> Station wagon	10 <input type="checkbox"/> Motorized bicycle/moped		03 <input type="checkbox"/> Passenger van	11 <input type="checkbox"/> Other (P.O.V.) - Specify <input checked="" type="checkbox"/>		04 <input type="checkbox"/> Other van			05 <input type="checkbox"/> Pickup truck			06 <input type="checkbox"/> Pickup with camper	12 <input type="checkbox"/> Bus		07 <input type="checkbox"/> Other truck	17 <input type="checkbox"/> Taxi (commercial use)		08 <input type="checkbox"/> Motorized camper coach	20 <input type="checkbox"/> School bus	
01 <input type="checkbox"/> Auto (includes personal use taxi)	09 <input type="checkbox"/> Motorcycle	21 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/>																							
02 <input type="checkbox"/> Station wagon	10 <input type="checkbox"/> Motorized bicycle/moped																								
03 <input type="checkbox"/> Passenger van	11 <input type="checkbox"/> Other (P.O.V.) - Specify <input checked="" type="checkbox"/>																								
04 <input type="checkbox"/> Other van																									
05 <input type="checkbox"/> Pickup truck																									
06 <input type="checkbox"/> Pickup with camper	12 <input type="checkbox"/> Bus																								
07 <input type="checkbox"/> Other truck	17 <input type="checkbox"/> Taxi (commercial use)																								
08 <input type="checkbox"/> Motorized camper coach	20 <input type="checkbox"/> School bus																								
<p>b. Approximately how many miles do you drive on an average work day, not counting driving to and from your place of work?</p>	<p>404 _____ Miles</p>																								
<p>c. On the average how many days a week do you drive as a part of your work?</p>	<p>405 _____ Days a week</p>																								
<p>37a. How many miles did you drive this vehicle as an essential part of your work from _____ to _____ (14 day travel period) not counting driving to and from your place of work, or, if no fixed place of work, to your first work stop?</p>	<p>406 0 <input type="checkbox"/> None - SKIP to section V _____ Miles <input type="checkbox"/> Don't know</p>																								
<p>b. Of these (entry in 37a) miles, how many were driven on _____ (travel day)?</p>	<p>407 0 <input type="checkbox"/> None _____ Miles <input type="checkbox"/> Don't know - SKIP to section V</p>																								

Section V - 14 DAY TRAVEL PERIOD

(490) _____ Household member line number

INTERVIEWER - Ask of all household members 14 years and over. For persons 5-13 years of age ask household respondent and enter the line number of the person for whom information is being obtained. Do not include trips made by members of operating crews on airplanes, ships, and trains.

READ - Now I would like to ask about any trips . . . may have taken that ended during the period from _____ to _____ (14 day travel period). A trip occurs when you leave home, go to a destination of 75 or more miles one way from home and return home. The destination is the farthest point traveled to on the trip.

CHECK ITEM F

Mark "No" if household member less than 16 years of age.
Is there an entry of 75 miles or more in 37a, to indicate that the respondent drove as an essential part of his/her work during the 14-day period?

- Yes - Ask 38
 No - SKIP to item 39

38. You mentioned earlier that . . . drove _____ miles (entry in 37a) as an essential part of . . . work during the period from _____ to _____ (14 day period). Did . . . make any OTHER trips during this period where . . . left home, traveled 75 miles or more one-way and returned?

- (491) Yes - Ask 39
z No - SKIP to section VI

39. Do not ask italicized statement if Check Item F marked "No."
Excluding the trips . . . made as an essential part of . . . work, how many trips did . . . take during the period from _____ to _____ (14 day travel period) where . . . traveled 75 miles or more from home one way and returned home?

- (492) _____ Trips
o None - SKIP to section VI

40. Please tell me the destination of this/these trip(s).

City or Place z.	State or foreign country k.	Did . . . take more than one trip to (destination(s) in 40a)? <input type="checkbox"/> No - Ask about next destination; if no other destination, SKIP to 41. <input type="checkbox"/> Yes - How many? - Specify below c. x.

NOTES

B-10

Section V - 14 DAY TRAVEL PERIOD - Continued

Household member (line number)

	TRIP 1		TRIP 2		TRIP 3	
	Outgoing	Return	Outgoing	Return	Outgoing	Return
41. Transcribe city or place and state or foreign country of all trips reported in item 40. NOTE - If respondent took more than one trip to any destination (e.g., 2 trips to New York), record each trip separately.	City 494 State OR Foreign country 495	READ - New I would like to ask you about . . . return trip home from (destination). City 494 State OR Foreign country 495	City 494 State OR Foreign country 495	READ - New I would like to ask you about . . . return trip home from (destination). City 494 State OR Foreign country 495	City 494 State OR Foreign country 495	READ - New I would like to ask you about . . . return trip home from (destination). City 494 State OR Foreign country 495
CHECK ITEM 6 Was this trip previously reported by another household member? If a trip was previously reported, the following items must be the same for both trips: • Destination (item 41) • Date trip began (item 42) and ended (item 45) • Time trip began (item 43) • No. of persons in travel party (item 48) • Household members on trip (item 47) • Means of transportation (item 52) • Vehicle (item 54b, if household vehicle, item 55, if nonhousehold vehicle)	Yes - Which household member? Line No. _____ Trip No. _____ 508 509 511 1 <input type="checkbox"/> No 2 <input type="checkbox"/> Don't know Continue interview with item 42	Yes - Which household member? Line No. _____ Trip No. _____ 508 509 511 1 <input type="checkbox"/> No 2 <input type="checkbox"/> Don't know Continue interview with item 42	Yes - Which household member? Line No. _____ Trip No. _____ 508 509 511 1 <input type="checkbox"/> No 2 <input type="checkbox"/> Don't know Continue interview with item 42	Yes - Which household member? Line No. _____ Trip No. _____ 508 509 511 1 <input type="checkbox"/> No 2 <input type="checkbox"/> Don't know Continue interview with item 42	Yes - Which household member? Line No. _____ Trip No. _____ 508 509 511 1 <input type="checkbox"/> No 2 <input type="checkbox"/> Don't know Continue interview with item 42	Yes - Which household member? Line No. _____ Trip No. _____ 508 509 511 1 <input type="checkbox"/> No 2 <input type="checkbox"/> Don't know Continue interview with item 42
SHOW CALENDAR 42. On what date did the trip to (destination/home) begin? Enter in numerals the month and date. INTERVIEWER - Refer to calendar and verify day of week with respondent. Mark (X) appropriate box.	Month _____ Date _____ 500 502 503 8888 505 City _____ State _____ 507	Month _____ Date _____ 512 514 515 8889 505 City _____ State _____ 507	Month _____ Date _____ 500 502 503 8888 505 City _____ State _____ 507	Month _____ Date _____ 512 514 515 8888 505 City _____ State _____ 507	Month _____ Date _____ 500 502 503 8888 505 City _____ State _____ 507	Month _____ Date _____ 512 514 515 8888 505 City _____ State _____ 507
43. What time did the trip begin?	Month _____ Date _____ 503 8888 505	Month _____ Date _____ 515 8889 505	Month _____ Date _____ 503 8888 505	Month _____ Date _____ 515 8888 505	Month _____ Date _____ 503 8888 505	Month _____ Date _____ 515 8888 505
44. Did . . . start the trip from this address?	City _____ State _____ 506 507	City _____ State _____ 506 507	City _____ State _____ 506 507	City _____ State _____ 506 507	City _____ State _____ 506 507	City _____ State _____ 506 507

Section V - 14 DAY TRAVEL PERIOD - Continued

Household member line number _____

INTERVIEWER - For each trip reported, verify that the respondent returned home during the 14-day period. If respondent did not return home during the 14-day period, delete entire trip from section V. To avoid repetition on return home trips, verify circled items with respondent. Ask all uncircled items.

45. On what date did . . . reach (destination) home? Enter in numerals the month and date. INTERVIEWER - Refer to calendar and verify day of week with respondent. Mark (X) appropriate box.	TRIP 1		TRIP 2		TRIP 3	
	Outgoing	Return	Outgoing	Return	Outgoing	Return
	Month	Date	Month	Date	Month	Date
	(518) _____	(519) _____	(517) _____	(530) _____	(518) _____	(519) _____
	(520) 1 <input type="checkbox"/> Sun. 5 <input type="checkbox"/> Thur. 6 <input type="checkbox"/> Fri. 7 <input type="checkbox"/> Sat. 4 <input type="checkbox"/> Wed.	(531) 1 <input type="checkbox"/> Sun. 5 <input type="checkbox"/> Thur. 2 <input type="checkbox"/> Mon. 6 <input type="checkbox"/> Fri. 7 <input type="checkbox"/> Sat. 4 <input type="checkbox"/> Wed.	(520) 1 <input type="checkbox"/> Sun. 5 <input type="checkbox"/> Thur. 2 <input type="checkbox"/> Mon. 6 <input type="checkbox"/> Fri. 7 <input type="checkbox"/> Sat. 4 <input type="checkbox"/> Wed.	(532) 1 <input type="checkbox"/> Sun. 5 <input type="checkbox"/> Thur. 2 <input type="checkbox"/> Mon. 6 <input type="checkbox"/> Fri. 7 <input type="checkbox"/> Sat. 4 <input type="checkbox"/> Wed.	(520) 1 <input type="checkbox"/> Sun. 5 <input type="checkbox"/> Thur. 2 <input type="checkbox"/> Mon. 6 <input type="checkbox"/> Fri. 7 <input type="checkbox"/> Sat. 4 <input type="checkbox"/> Wed.	(532) 1 <input type="checkbox"/> Sun. 5 <input type="checkbox"/> Thur. 2 <input type="checkbox"/> Mon. 6 <input type="checkbox"/> Fri. 7 <input type="checkbox"/> Sat. 4 <input type="checkbox"/> Wed.
	(521) _____ Miles	(533) _____ Miles	(521) _____ Miles	(533) _____ Miles	(521) _____ Miles	(533) _____ Miles
46. What was the total distance traveled on the trip to (destination) home? Include mileage from side trips on the way to (destination) home, regardless of length. For trips to destination need: Also include side trips of 75 miles or more one-way once you reached (destination).	(522) <input type="checkbox"/> No - SKIP to item 48 Yes - Which household members accompanied . . . to (destination) home?	(534) <input type="checkbox"/> No - SKIP to item 48 Yes - Which household members accompanied . . . to (destination) home?	(522) <input type="checkbox"/> No - SKIP to item 48 Yes - Which household members accompanied . . . to (destination) home?	(534) <input type="checkbox"/> No - SKIP to item 48 Yes - Which household members accompanied . . . to (destination) home?	(522) <input type="checkbox"/> No - SKIP to item 48 Yes - Which household members accompanied . . . to (destination) home?	(534) <input type="checkbox"/> No - SKIP to item 48 Yes - Which household members accompanied . . . to (destination) home?
47. Did any household members accompany . . . to (destination) home? Any other household members?	Line No. Name	Line No. Name	Line No. Name	Line No. Name	Line No. Name	Line No. Name
	(523) _____	(535) _____	(523) _____	(535) _____	(523) _____	(535) _____
	(524) _____	(536) _____	(524) _____	(536) _____	(524) _____	(536) _____
	(525) _____	(537) _____	(525) _____	(537) _____	(525) _____	(537) _____
	(526) _____	(538) _____	(526) _____	(538) _____	(526) _____	(538) _____
	(527) _____	(539) _____	(527) _____	(539) _____	(527) _____	(539) _____
	(528) _____	(540) _____	(528) _____	(540) _____	(528) _____	(540) _____
48. Were any non-household members in the travel party?	(529) <input type="checkbox"/> No - Ask 49 Yes - How many?	(541) <input type="checkbox"/> No - Ask 49 Yes - How many?	(529) <input type="checkbox"/> No - Ask 49 Yes - How many?	(541) <input type="checkbox"/> No - Ask 49 Yes - How many?	(529) <input type="checkbox"/> No - Ask 49 Yes - How many?	(541) <input type="checkbox"/> No - Ask 49 Yes - How many?

FIG 2 ↓

Section V - 14 DAY TRAVEL PERIOD - Continued

Household member line number

49. So there were _____ persons in the travel party? INTERVIEWER - Verify that the sum of the numbers entered in items 47 and 48 plus the respondent is the total number of persons that were in the travel party.	TRIP 1		TRIP 2		TRIP 3	
	Outgoing	Return	Outgoing	Return	Outgoing	Return
543	Total number of persons	557	Total number of persons	557	Total number of persons	557
50a. Did the household members accompanying ... to (destination/home) travel the entire distance?	a. <input type="checkbox"/> Yes <input type="checkbox"/> SKIP to 51a	a. <input type="checkbox"/> Yes <input type="checkbox"/> SKIP to 51c	a. <input type="checkbox"/> Yes <input type="checkbox"/> SKIP to 51a	a. <input type="checkbox"/> Yes <input type="checkbox"/> SKIP to 51c	a. <input type="checkbox"/> Yes <input type="checkbox"/> SKIP to 51a	a. <input type="checkbox"/> Yes <input type="checkbox"/> SKIP to 51c
	b. Miles	b. Miles	b. Miles	b. Miles	b. Miles	b. Miles
50b. How many miles did ... (line number in 50a) travel?	Line number	Line number	Line number	Line number	Line number	Line number
	545	560	545	560	545	560
	546	561	546	561	546	561
	547	562	547	562	547	562
	548	563	548	563	548	563
	549	564	549	564	549	564
	550	565	550	565	550	565
	551	566	551	566	551	566
	552	567	552	567	552	567
	553	568	553	568	553	568
	554	569	554	569	554	569
	555	570	555	570	555	570

NOTES

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Section V - 14 DAY TRAVEL PERIOD - Continued

Household member line number

SHOW FLASHCARD F	TRIP 1		TRIP 2		TRIP 3	
	Outgoing	Return	Outgoing	Return	Outgoing	Return
51a. What was the reason(s) for the trip to (destination)? Any other reason? Mark (X) ALL that apply	<p>(571) 1</p> <p>(572) * 1 <input type="checkbox"/> To or from work 2 <input type="checkbox"/> Work related business 3 <input type="checkbox"/> Shopping 4 <input type="checkbox"/> Other family or personal business 5 <input type="checkbox"/> School/Church 6 <input type="checkbox"/> Doctor/Dentist 7 <input type="checkbox"/> Vacation 8 <input type="checkbox"/> Visit friends or relatives 9 <input type="checkbox"/> Pleasure driving 10 <input type="checkbox"/> Other social or recreational 11 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></p>		<p>(571) 2</p> <p>(572) * 1 <input type="checkbox"/> To or from work 2 <input type="checkbox"/> Work related business 3 <input type="checkbox"/> Shopping 4 <input type="checkbox"/> Other family or personal business 5 <input type="checkbox"/> School/Church 6 <input type="checkbox"/> Doctor/Dentist 7 <input type="checkbox"/> Vacation 8 <input type="checkbox"/> Visit friends or relatives 9 <input type="checkbox"/> Pleasure driving 10 <input type="checkbox"/> Other social or recreational 11 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></p>		<p>(571) 3</p> <p>(572) * 1 <input type="checkbox"/> To or from work 2 <input type="checkbox"/> Work related business 3 <input type="checkbox"/> Shopping 4 <input type="checkbox"/> Other family or personal business 5 <input type="checkbox"/> School/Church 6 <input type="checkbox"/> Doctor/Dentist 7 <input type="checkbox"/> Vacation 8 <input type="checkbox"/> Visit friends or relatives 9 <input type="checkbox"/> Pleasure driving 10 <input type="checkbox"/> Other social or recreational 11 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></p>	
51b. What reason best describes the main purpose for the trip? Mark (X) only one	<p>(573) 1 <input type="checkbox"/> To or from work 2 <input type="checkbox"/> Work related business 3 <input type="checkbox"/> Shopping 4 <input type="checkbox"/> Other family or personal business 5 <input type="checkbox"/> School/Church 6 <input type="checkbox"/> Doctor/Dentist 7 <input type="checkbox"/> Vacation 8 <input type="checkbox"/> Visit friends or relatives 9 <input type="checkbox"/> Pleasure driving 10 <input type="checkbox"/> Other social or recreational 11 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></p>		<p>(573) 1 <input type="checkbox"/> To or from work 2 <input type="checkbox"/> Work related business 3 <input type="checkbox"/> Shopping 4 <input type="checkbox"/> Other family or personal business 5 <input type="checkbox"/> School/Church 6 <input type="checkbox"/> Doctor/Dentist 7 <input type="checkbox"/> Vacation 8 <input type="checkbox"/> Visit friends or relatives 9 <input type="checkbox"/> Pleasure driving 10 <input type="checkbox"/> Other social or recreational 11 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></p>		<p>(573) 1 <input type="checkbox"/> To or from work 2 <input type="checkbox"/> Work related business 3 <input type="checkbox"/> Shopping 4 <input type="checkbox"/> Other family or personal business 5 <input type="checkbox"/> School/Church 6 <input type="checkbox"/> Doctor/Dentist 7 <input type="checkbox"/> Vacation 8 <input type="checkbox"/> Visit friends or relatives 9 <input type="checkbox"/> Pleasure driving 10 <input type="checkbox"/> Other social or recreational 11 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/></p>	

PGM 2

Section V - 14 DAY TRAVEL PERIOD - Continued

Household member line number

SHOW FLASHCARD F 51c. Other than returning home, did ...'s return trip have any other purpose? Any other purpose? Mark (X) ALL that apply	TRIP 1		TRIP 2		TRIP 3	
	Outgoing	Return	Outgoing	Return	Outgoing	Return
	(576) 1	(576) 2	(576) 3	(576) 4	(576) 5	(576) 6
	(577) 1	(577) 2	(577) 3	(577) 4	(577) 5	(577) 6
52. What was the main means of transportation used for the trip to (destination/home)? (the means used for the longest distance) Enter code from below.	(577) 1	(577) 2	(577) 3	(577) 4	(577) 5	(577) 6

578 0 No - SKIP to 52
Yes - What were they?
1 To or from work
2 Work related business
3 Shopping
4 Other family or personal business
5 School/Church
6 Doctor/Dentist
7 Vacation
8 Visit friends or relatives
9 Pleasure driving
10 Other social or recreational
11 Other - Specify / X

579 *
580 *

577 1 ← Enter code
"Other" - Specify / X

577 2 ← Enter code
"Other" - Specify / X

577 3 ← Enter code
"Other" - Specify / X

577 4 ← Enter code
"Other" - Specify / X

577 5 ← Enter code
"Other" - Specify / X

577 6 ← Enter code
"Other" - Specify / X

581 1 ← Enter code
"Other" - Specify / X

581 2 ← Enter code
"Other" - Specify / X

581 3 ← Enter code
"Other" - Specify / X

581 4 ← Enter code
"Other" - Specify / X

581 5 ← Enter code
"Other" - Specify / X

581 6 ← Enter code
"Other" - Specify / X

581 7 ← Enter code
"Other" - Specify / X

581 8 ← Enter code
"Other" - Specify / X

581 9 ← Enter code
"Other" - Specify / X

581 10 ← Enter code
"Other" - Specify / X

581 11 ← Enter code
"Other" - Specify / X

581 12 ← Enter code
"Other" - Specify / X

581 13 ← Enter code
"Other" - Specify / X

581 14 ← Enter code
"Other" - Specify / X

581 15 ← Enter code
"Other" - Specify / X

581 16 ← Enter code
"Other" - Specify / X

581 17 ← Enter code
"Other" - Specify / X

581 18 ← Enter code
"Other" - Specify / X

581 19 ← Enter code
"Other" - Specify / X

581 20 ← Enter code
"Other" - Specify / X

581 21 ← Enter code
"Other" - Specify / X

MAIN MEANS OF TRANSPORTATION CODES

01 - Auto (includes personal use taxi)
02 - Station wagon
03 - Passenger van
04 - Other van
05 - Pickup truck
06 - Pickup with camper
07 - Other truck
08 - Motorized camper coach
09 - Motorcycle
10 - Motorized bicycle/moped
11 - Other (P.O.V.)
12 - Bus
13 - Tram
14 - Streetcar
15 - Elevated rail or subway
16 - Airplane
17 - Taxi (commercial use)
18 - Bicycle
19 - Walk
20 - School bus
21 - Other

NOTES

Section V - 14 DAY TRAVEL PERIOD - Continued

Household member line number _____

	TRIP 1	TRIP 2	TRIP 3
	582	582	582
	1	2	3
	Outgoing	Outgoing	Outgoing
	Return	Return	Return
<p>CHECK ITEM H</p> <p>Refer to item 46. Is the one-way distance 150 miles or more?</p>	<p><input type="checkbox"/> Yes - Ask 53 <input type="checkbox"/> No - SKIP to Check Item I</p>	<p><input type="checkbox"/> Yes - Ask 53 <input type="checkbox"/> No - SKIP to Check Item I</p>	<p><input type="checkbox"/> Yes - Ask 53 <input type="checkbox"/> No - SKIP to Check Item I</p>
<p>53 Did... use any other means of transportation to travel 75 miles or more one way? Enter code from below.</p>	<p><input type="checkbox"/> 0 <input type="checkbox"/> No - SKIP to Check Item I Yes - What other means of transportation was used? Enter code "Other" - Specify</p> <p>For how many miles was it used? _____ Miles</p>	<p><input type="checkbox"/> 0 <input type="checkbox"/> No - SKIP to Check Item I Yes - What other means of transportation was used? Enter code "Other" - Specify</p> <p>For how many miles was it used? _____ Miles</p>	<p><input type="checkbox"/> 0 <input type="checkbox"/> No - SKIP to Check Item I Yes - What other means of transportation was used? Enter code "Other" - Specify</p> <p>For how many miles was it used? _____ Miles</p>
<p>CHECK ITEM I</p> <p>Is one of the codes 01-11 (P.O.V.) entered as the main means of transportation in item 52?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No - Return to item 41 and transcribe destination of next outgoing trip, if no other trip. SKIP to section VI.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No - Return to item 41 and transcribe destination of next outgoing trip, if no other trip. SKIP to section VI.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No - Return to item 41 and transcribe destination of next outgoing trip, if no other trip. SKIP to section VI.</p>
<p>54a Was a household vehicle used for this trip? Enter vehicle number "1" without asking if only one vehicle reported in 24a. Otherwise ask question as worded.</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> Yes - Ask 54b <input type="checkbox"/> 2 <input type="checkbox"/> No - SKIP to 55</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> Yes - Ask 54b <input type="checkbox"/> 2 <input type="checkbox"/> No - SKIP to 55</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> Yes - Ask 54b <input type="checkbox"/> 2 <input type="checkbox"/> No - SKIP to 55</p>
<p>55 Was the vehicle used for this trip -</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> 2 <input type="checkbox"/> Owned by someone else not on trip? <input type="checkbox"/> 3 <input type="checkbox"/> Rented by household member? <input type="checkbox"/> 4 <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> 5 <input type="checkbox"/> Other - Specify</p> <p>Vehicle number _____ SKIP to 56a</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> 2 <input type="checkbox"/> Owned by someone else not on trip? <input type="checkbox"/> 3 <input type="checkbox"/> Rented by household member? <input type="checkbox"/> 4 <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> 5 <input type="checkbox"/> Other - Specify</p> <p>Vehicle number _____ SKIP to 56a</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> 2 <input type="checkbox"/> Owned by someone else not on trip? <input type="checkbox"/> 3 <input type="checkbox"/> Rented by household member? <input type="checkbox"/> 4 <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> 5 <input type="checkbox"/> Other - Specify</p> <p>Vehicle number _____ SKIP to 56a</p>

MAIN MEANS OF TRANSPORTATION CODES

01 - Auto (include personal use tax)
04 - Other van
05 - Pickup truck
06 - Pickup with camper
07 - Other truck
08 - Motorized bicycle/moped
09 - Motorcycle
10 - Motorized camper coach
11 - Other (P.O.V.)
12 - Bus
13 - Train
14 - Streetcar
15 - Elevated rail or subway
16 - Airplane
17 - Taxi (commercial use)
18 - Bicycle
19 - Walk
20 - School bus
21 - Other

Section V - 14 DAY TRAVEL PERIOD - Continued

Household member line number _____

	TRIP 1		TRIP 2		TRIP 3	
	Outgoing	Return	Outgoing	Return	Outgoing	Return
56a. Who was the principal driver for the trip? (The one who drove for the longest distance.)	593 <input type="checkbox"/> Not a household member Household member line number _____	596 <input type="checkbox"/> Not a household member Household member line number _____	594 <input type="checkbox"/> Not a household member Household member line number _____	598 <input type="checkbox"/> Not a household member Household member line number _____	599 <input type="checkbox"/> Not a household member Household member line number _____	597 <input type="checkbox"/> Not a household member Household member line number _____
b. Did anyone else do any of the driving?	595 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	597 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	595 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	597 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	595 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	597 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
INTERVIEWER INSTRUCTION	Return to item 41 and ask about return portion of trip.	Return to item 41 and transcribe destination of next outgoing trip. If no other trip, SKIP to section VI.	Return to item 41 and ask about return portion of trip.	Return to item 41 and transcribe destination of next outgoing trip. If no other trip, SKIP to section VI.	Return to item 41 and ask about return portion of trip.	Return to item 41 and transcribe destination of next outgoing trip. If no other trip, SKIP to section VI.

NOTES

Section VI - TRAVEL DAY

(601) _____ Household member line number

INTERVIEWER - Ask of all household members 14 years and over. For persons 5-13 years of age ask household respondent and enter the line number of the person for whom information is being obtained. Reference day is from 4:00 a.m. to 3:59 a.m. of the following day. Do not include walking and bicycling trips for person under 14 years of age. Also do not include trips made by members of operating crews on airplanes, ships and trains.

Refer to item 39.

CHECK
ITEM J

Did person take any trips of 75 miles during the 14 day travel period?

Yes - Go to Read I

No - Go to Read II

READ I - In the previous section, you told me about trips of 75 miles or more taken during the period from _____ to _____ (14 day travel period). Now I have some questions about ALL trips taken on (travel day), including long trips you may have already reported. A trip is anytime . . . went from one address to another by car or bus, walking, bicycling, or some other means. For example, going to work in an automobile would be one trip; walking to lunch would be a second trip, walking back to work from lunch would be a third trip; stopping at a gas station on the way home would be a fourth trip, etc. - Go to Check Item K

READ II - Now I have some questions about ALL trips taken on (travel day). A trip is anytime . . . went from one address to another by car or bus, walking, bicycling, or some other means. For example, going to work in an automobile would be one trip; walking to lunch would be a second trip, walking back to work from lunch would be a third trip; stopping at a gas station on the way home would be a fourth trip, etc. - Go to Check Item K

CHECK
ITEM K

Mark "No" if household member less than 16 years of age.

Refer to item 37b.

Did person drive as an essential part of his/her work on travel day?

Yes - Ask 57a

No - SKIP to 57b

57a. Earlier you mentioned that . . . drove (entry in 37b) miles as an essential part of . . . work on (travel day). Did . . . go anywhere else on (travel day)?

(602) 1 Yes - SKIP to 58

2 No - SKIP to section VII, part A

b. Did . . . go any place on (travel day)?

(603) 1 Yes - Ask 58

2 No - SKIP to section VII, part A

58. (Excluding the trips you took as an essential part of your work) Please tell me everywhere . . . went on travel day.

Where did . . . go (first, . . . next)?

Did . . . go anywhere else on travel day?

1.	4.	7.
2.	5.	8.
3.	6.	9.

59a. Did . . . first trip to (first trip entered in 58) begin at home?

(604) 1 Yes - SKIP to 60

2 No

SHOW FLASHCARD F

b. What was . . . main reason for being away from home when this trip began?

Enter code from bottom of next page.

(605) ← Enter code

If "Other" - Specify _____

INTERVIEWER - To avoid repetition, verify circled items with person for return trips and travel day trips previously reported in Section V - 14-Day Travel Period.

NOTES

Section VI - TRAVEL DAY - Continued

Household member line number

SHOW FLASHCARD F 60. What was the main purpose for the (1st, 2nd, 3rd, . . .) trip? INTERVIEWER - If purpose of trip is to return home, enter the purpose of the "from home" trip and mark box 66. Enter code from bottom of page.	1 TRIP 1		2 TRIP 2		3 TRIP 3		4 TRIP 4		5 TRIP 5		6 TRIP 6	
	606	607	608	609	610	611	612	613	614	615	616	617
61. What time did the trip to . . . begin?	609	610	611	612	613	614	615	616	617	618	619	620
	609	610	611	612	613	614	615	616	617	618	619	620
62. Approximately how long did it take to get there?	611	612	613	614	615	616	617	618	619	620	621	622
	611	612	613	614	615	616	617	618	619	620	621	622
63. What was the total distance from where . . . started to (destination)? Ask only if two or more persons listed on household roster page. List respondent first. 64a. Did other household members go on the trip? For return home trips enter reason or "from home" trip without asking. b. What was (line number in 64a) main reason for being on the trip? Enter code from bottom of page.	612	613	614	615	616	617	618	619	620	621	622	623
	612	613	614	615	616	617	618	619	620	621	622	623
CHECK ITEM L Has this trip been previously reported by another household member?	613	614	615	616	617	618	619	620	621	622	623	624
	613	614	615	616	617	618	619	620	621	622	623	624
Yes - Which household member? <input type="checkbox"/> 901 <input type="checkbox"/> 902 <input type="checkbox"/> 903 Line No. T.D. trip No. INTERVIEWER - Enter above information and SKIP to Check item P-1. <input type="checkbox"/> No - Ask 65												

NOTES

- 01 - To or from work
- 02 - Work related business
- 03 - Shopping
- 04 - Other family or personal business
- 05 - School/Church
- 06 - Doctor/Dentist
- 07 - Vacation
- 08 - Visit friends or relatives
- 09 - Pleasure driving
- 10 - Other social or recreational
- 11 - Other

TRIP PURPOSE CODES

Section VI - TRAVEL DAY - Continued

Household member line number

	TRIP 1	TRIP 2	TRIP 3	TRIP 4	TRIP 5	TRIP 6
65) Were there any non-household members in the travel party?	626 1 TRIP 1 627 <input type="checkbox"/> No Yes - How many? <input checked="" type="checkbox"/> X	626 2 TRIP 2 627 <input type="checkbox"/> No Yes - How many? <input checked="" type="checkbox"/> X	626 3 TRIP 3 627 <input type="checkbox"/> No Yes - How many? <input checked="" type="checkbox"/> X	626 4 TRIP 4 627 <input type="checkbox"/> No Yes - How many? <input checked="" type="checkbox"/> X	626 5 TRIP 5 627 <input type="checkbox"/> No Yes - How many? <input checked="" type="checkbox"/> X	626 6 TRIP 6 627 <input type="checkbox"/> No Yes - How many? <input checked="" type="checkbox"/> X
66) So there were _____ persons in the travel party? <i>INTERVIEWER - Verify that the sum of entries in items 64a, including the respondent, and 65 was the total number of persons.</i>	628 _____ Persons	628 _____ Persons	628 _____ Persons	628 _____ Persons	628 _____ Persons	628 _____ Persons
67) What was the main means of transportation used for this trip? <i>Enter code from bottom of page.</i>	629 <input type="checkbox"/> Enter code If "Other" - Specify <input checked="" type="checkbox"/> X	629 <input type="checkbox"/> Enter code If "Other" - Specify <input checked="" type="checkbox"/> X	629 <input type="checkbox"/> Enter code If "Other" - Specify <input checked="" type="checkbox"/> X	629 <input type="checkbox"/> Enter code If "Other" - Specify <input checked="" type="checkbox"/> X	629 <input type="checkbox"/> Enter code If "Other" - Specify <input checked="" type="checkbox"/> X	629 <input type="checkbox"/> Enter code If "Other" - Specify <input checked="" type="checkbox"/> X
CHECK ITEM #	ASK 68a SKIP to Check Item N SKIP to 71a	ASK 68a SKIP to Check Item N SKIP to 71a	ASK 68a SKIP to Check Item N SKIP to 71a	ASK 68a SKIP to Check Item N SKIP to 71a	ASK 68a SKIP to Check Item N SKIP to 71a	ASK 68a SKIP to Check Item N SKIP to 71a
68a) Was a household vehicle used for this trip? <i>Mark no without asking if no vehicles reported in 24a. Otherwise ask question as worded.</i>	630 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - SKIP to 68c	630 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - SKIP to 68c	630 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - SKIP to 68c	630 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - SKIP to 68c	630 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - SKIP to 68c	630 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - SKIP to 68c
69) Which vehicle? <i>Enter vehicle number "1" without asking if only one vehicle reported in 24a. Otherwise ask question as worded.</i>	631 _____ Vehicle number SKIP to 69	631 _____ Vehicle number SKIP to 69	631 _____ Vehicle number SKIP to 69	631 _____ Vehicle number SKIP to 69	631 _____ Vehicle number SKIP to 69	631 _____ Vehicle number SKIP to 69
70) Was the vehicle that was used for this trip -	632 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> Owned by someone else not on trip? <input checked="" type="checkbox"/> Rented by household member? <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> X	632 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> Owned by someone else not on trip? <input checked="" type="checkbox"/> Rented by household member? <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> X	632 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> Owned by someone else not on trip? <input checked="" type="checkbox"/> Rented by household member? <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> X	632 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> Owned by someone else not on trip? <input checked="" type="checkbox"/> Rented by household member? <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> X	632 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> Owned by someone else not on trip? <input checked="" type="checkbox"/> Rented by household member? <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> X	632 <input type="checkbox"/> Owned by someone else on trip? <input type="checkbox"/> Owned by someone else not on trip? <input checked="" type="checkbox"/> Rented by household member? <input type="checkbox"/> Rented by someone else? <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> X

61 - Auto (includes personal use taxi) 64 - Other van
62 - Station wagon 65 - Pickup truck
63 - Passenger van 66 - Pickup with camper
67 - Other truck
68 - Motorized bicycle/moped
69 - Motorcycle
71 - Train
72 - Streetcar
73 - Elevated rail or subway
74 - Taxi (commercial use)
75 - School bus
76 - Walk
77 - Bicycle

Section VI - TRAVEL DAY - Continued

Household member line number

	TRIP 1	TRIP 2	TRIP 3	TRIP 4	TRIP 5	TRIP 6	
69. Who was the driver on the trip?	(631) <input type="checkbox"/> Not a household member Household member line number <u> </u>	(632) <input type="checkbox"/> Not a household member Household member line number <u> </u>	(633) <input type="checkbox"/> Not a household member Household member line number <u> </u>	(634) <input type="checkbox"/> Not a household member Household member line number <u> </u>	(635) <input type="checkbox"/> Not a household member Household member line number <u> </u>	(636) <input type="checkbox"/> Not a household member Household member line number <u> </u>	
70. SKIP to 71a if trip was to return home. If ... partial, did ... pay for parking?	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	(635) <input type="checkbox"/> Did not park 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
71a. Was public transportation, other than taxis, available for the trip within 1/2 mile from where you started and also from where you were going?	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N	(636) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know 4 <input type="checkbox"/> SKIP to Check Item N
b. What type of public transportation was available? Mark (X) ALL that apply.	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify	(637) 1 <input type="checkbox"/> Bus 2 <input type="checkbox"/> Train 3 <input type="checkbox"/> Elevated rail or subway 4 <input type="checkbox"/> Streetcar 5 <input type="checkbox"/> Other - Specify
CHECK ITEM N Refer to item 59. Did person take any trips of 75 miles or more during the period from ... to ... (14 day travel period)?	<input type="checkbox"/> Yes - Go to Check Item O <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Go to Check Item O <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Go to Check Item O <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Go to Check Item O <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Go to Check Item O <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Go to Check Item O <input type="checkbox"/> No - SKIP to Check Item P-1	
CHECK ITEM O Refer to item 45. Did any of the trips reported in the 14 day travel period section end on ... (travel day)?	<input type="checkbox"/> Yes - Ask 72a <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Ask 72a <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Ask 72a <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Ask 72a <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Ask 72a <input type="checkbox"/> No - SKIP to Check Item P-1	<input type="checkbox"/> Yes - Ask 72a <input type="checkbox"/> No - SKIP to Check Item P-1	
72a. Is this trip or any portion of this trip reported in the 14-day travel period section?	(638) <input type="checkbox"/> No - SKIP to Check Item P-1 Yes - Which trip? <u> </u>	(638) <input type="checkbox"/> No - SKIP to Check Item P-1 Yes - Which trip? <u> </u>	(638) <input type="checkbox"/> No - SKIP to Check Item P-1 Yes - Which trip? <u> </u>	(638) <input type="checkbox"/> No - SKIP to Check Item P-1 Yes - Which trip? <u> </u>	(638) <input type="checkbox"/> No - SKIP to Check Item P-1 Yes - Which trip? <u> </u>	(638) <input type="checkbox"/> No - SKIP to Check Item P-1 Yes - Which trip? <u> </u>	
CHECK ITEM P-1 Refer to item 58. Have all travel day trips been accounted for?	<input type="checkbox"/> Yes - Go to Check Item P-2 <input type="checkbox"/> No - Return to item 60 for next trip	<input type="checkbox"/> Yes - Go to Check Item P-2 <input type="checkbox"/> No - Return to item 60 for next trip	<input type="checkbox"/> Yes - Go to Check Item P-2 <input type="checkbox"/> No - Return to item 60 for next trip	<input type="checkbox"/> Yes - Go to Check Item P-2 <input type="checkbox"/> No - Return to item 60 for next trip	<input type="checkbox"/> Yes - Go to Check Item P-2 <input type="checkbox"/> No - Return to item 60 for next trip	<input type="checkbox"/> Yes - Go to Check Item P-2 <input type="checkbox"/> No - Return to item 60 for next trip	

Section VI - TRAVEL DAY - Continued		_____ Household member line number
CHECK ITEM P-2	Refer to trip purpose (item 60) for last trip reported. Did person return home?	<input type="checkbox"/> Yes - SKIP to Check Item P-3 <input type="checkbox"/> No - Ask 72a
72b. On the last trip, ... were (was) _____ (purpose in 60 for last trip). How many miles did ... travel before returning home?	PGM 2 ▾	(640) _____ Miles
CHECK ITEM P-3	Refer to item 67 for each trip reported. Is one of the codes 12-17 entered, to indicate public transportation was used on any of the trips?	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 74
73a. ... used public transportation on (some of) those trips. What were ... reasons for using it? Any other reason? Mark (X) ALL that apply		(641) 1 <input type="checkbox"/> No driver's license * 2 <input type="checkbox"/> No car available 3 <input type="checkbox"/> Cheaper than auto 4 <input type="checkbox"/> No parking problems (642) 5 <input type="checkbox"/> No driving strain * 6 <input type="checkbox"/> Faster than auto 7 <input type="checkbox"/> Other - Specify, _____
b. Could ... have made these trips without using public transportation?		(643) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No } SKIP to interviewer instruction at bottom of page.
74. ... did not use public transportation on any of these trips. What were ... reasons for not using it? Any other reason? Mark (X) ALL that apply		(644) 1 <input type="checkbox"/> None available * 2 <input type="checkbox"/> Schedule is inconvenient 3 <input type="checkbox"/> Location is inconvenient 4 <input type="checkbox"/> Too many transfers 5 <input type="checkbox"/> Too expensive 6 <input type="checkbox"/> Takes too long (645) 7 <input type="checkbox"/> Preferred to use car * 8 <input type="checkbox"/> Need auto for work 9 <input type="checkbox"/> Had too much to carry 10 <input type="checkbox"/> Physical disability (646) 11 <input type="checkbox"/> Mental impairment * 12 <input type="checkbox"/> Not familiar with transit system 13 <input type="checkbox"/> Wasn't traveling far enough (647) 14 <input type="checkbox"/> Other - Specify, _____
INTERVIEWER - Transcribe total number of travel day trips reported for this person from item 58.		(648) _____ Trips

Section VII -- USE OF SAFETY DEVICES IN HOUSEHOLD VEHICLES

(700) _____ Household member line number

Part A -- FOR HOUSEHOLD MEMBERS AGE 5+

CHECK
ITEM Q-1*Refer to item 24a, page 4.*

Is there an entry of one or more household vehicles?

- Yes -- SKIP to Read Statement
 No -- Go to Check Item Q-2

CHECK
ITEM Q-2*Refer to household member line number at the top of the page.*

Is line number that of the household respondent?

- Yes -- Return to household roster page and ask items 22 and 23.
 No -- Complete sections III--VI for next household member aged 5+.
 If no other household members, END INTERVIEW.

READ -- Now I would like to ask a few questions about . . . use of safety devices in household vehicles.

INTERVIEWER -- If motorcycle and/or mopeds ONLY entry(ies) in 24b, SKIP to Check Item R-1.

75. How often do (does) . . . wear seat belts --

- (701) 1 Always -- SKIP to 78a 3 Sometimes
 2 Most of the time 4 Never -- SKIP to item 79a

76. How often do (does) . . . wear seat belts --

a. When roads are wet, or snow and ice covered?

- (702) 1 Always
 2 Most of the time
 3 Sometimes
 4 Never

b. On long trips of 75 miles or more?

- (703) 1 Always
 2 Most of the time
 3 Sometimes
 4 Never

c. On short trips around town?

- (704) 1 Always
 2 Most of the time
 3 Sometimes
 4 Never

77. Do (Does) . . . wear seat belts when . . . are (is) --

Do not ask if respondent under 16 years of age.

a. The driver?

- (705) 1 Yes
 2 No
 0 Household member does not drive

b. Front seat passenger?

- (706) 1 Yes
 2 No

c. Back seat passenger?

- (707) 1 Yes
 2 No

For persons 25 years and younger, use alternative "since childhood".

78a. Since 1964, when seat belts became available (Since childhood) have (has) . . . worn seat belts?

- (708) 1 Yes -- SKIP to Check Item R-1
 2 No

PGM 7-1

Section VII - USE OF SAFETY DEVICES IN HOUSEHOLD VEHICLES - Continued

Household member line number

78b. Why did ... begin wearing seat belts?

Mark (X) ALL that apply

Any other reason?

- (709) *
 - 1 Safety
 - 2 Peer pressure
 - 3 Spouse insisted
 - 4 Media advertisement
 - 5 Got married
 - 6 Got older
 - 7 Required by parent
 - 8 Required by employer
 - 9 To set good family example
 - 10 Changed to new vehicle
 - 11 Previous accident or emergency
 - 12 Stop experiences involving injury
 - 13 Limitation interlock
 - 14 Other - Specify, if

SKIP to Check Item R-1

79a. Have (has) ... ever worn seat belts?

b. Why don't (doesn't) ... wear seat belts?

Mark (X) ALL that apply

- (713)
 - 1 Yes - SKIP to 79c
 - 2 No - Ask 79b
- (714) *
 - 1 Inconvenient
 - 2 Don't need them
 - 3 Uncomfortable
 - 4 Fear of being trapped in vehicle
 - 5 Previous accident experience
 - 6 Don't work
 - 7 Other - Specify, if

SKIP to Check Item Q-3

c. Why did ... stop wearing seat belts?

Mark (X) ALL that apply

- (716) *
 - 1 Inconvenient
 - 2 Don't need them
 - 3 Uncomfortable
 - 4 Fear of being trapped in vehicle
 - 5 Previous accident experience
 - 6 Don't work
 - 7 Other - Specify, if

Refer to 79a
Has person ever worn seat belts?

CHECK
ITEM Q-3

- Yes - Ask 82
- No - SKIP to Check Item R-1

FORM NPTS-1 (9-20-82)

Section VII - USE OF SAFETY DEVICES IN HOUSEHOLD VEHICLES - Continued	Household member line number
80. How often did . . . wear seat belts? a. When roads were wet, or snow and ice covered? b. On long trips of 75 miles or more? c. On short trips around town?	(718) 1 <input type="checkbox"/> Always 2 <input type="checkbox"/> Most of the time 3 <input type="checkbox"/> Sometimes 4 <input type="checkbox"/> Never (719) 1 <input type="checkbox"/> Always 2 <input type="checkbox"/> Most of the time 3 <input type="checkbox"/> Sometimes 4 <input type="checkbox"/> Never (720) 1 <input type="checkbox"/> Always 2 <input type="checkbox"/> Most of the time 3 <input type="checkbox"/> Sometimes 4 <input type="checkbox"/> Never
81. Why did . . . wear them? Mark (X) ALL that apply Any other reason?	(721) * 1 <input type="checkbox"/> Safety 2 <input type="checkbox"/> Peer pressure 3 <input type="checkbox"/> Spouse insisted 4 <input type="checkbox"/> Media advertisement 5 <input type="checkbox"/> Got married 6 <input type="checkbox"/> Got older 7 <input type="checkbox"/> Required by parent 8 <input type="checkbox"/> Required by employer 9 <input type="checkbox"/> To set good example for family 10 <input type="checkbox"/> Changed to new vehicle 11 <input type="checkbox"/> Previous accident or emergency stop 12 <input type="checkbox"/> Started work, left school 13 <input type="checkbox"/> Ignition interlock 14 <input type="checkbox"/> Other - Specify, #
CHECK ITEM R-1 Refer to Item 24c, page 4. Is there an entry of code 9, motorcycle?	(725) <input type="checkbox"/> Yes - Ask 82a <input type="checkbox"/> No - SKIP to Check Item R-2
82a. Do (does) . . . drive or ride a motorcycle? b. How often do (does) . . . wear a helmet when driving/riding a motorcycle?	(726) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Check Item R-2 (726) 1 <input type="checkbox"/> Always 2 <input type="checkbox"/> Most of the time 3 <input type="checkbox"/> Sometimes 4 <input type="checkbox"/> Never

Section VII - USE OF SAFETY DEVICES IN HOUSEHOLD VEHICLES - Continued

_____ Household member line number

Refer to item 35a.
**CHECK
 ITEM R-2** Is the household member a licensed driver?

- Yes - Ask 83a
 No - SKIP to Check Item S-1

83a. Have . . . had any accidents as a driver during the past 12 months?

(727) Yes - How many?

- No - SKIP to Check Item S-1

b. Was anyone in . . . vehicle injured in any of the accidents?

(728) Yes - How many?

- No - Go to Check Item S-1

Refer to household member line number at the top of the page.
**CHECK
 ITEM S-1** Is this the household respondent?

- Yes - Go to Check Item S-2
 No - Complete sections III-VII-A for next household member aged 5+.
 If no other household members, END INTERVIEW.

Refer to household roster page, item 15, page 2.
**CHECK
 ITEM S-2** Are there any household members age four years or younger?

- Yes - SKIP to section VII, part B
 No - Return to household roster page, and ask items 22 and 23.

NOTES

Section VII - USE OF SAFETY DEVICES IN HOUSEHOLD VEHICLES - Continued

Part B - FOR CHILDREN 4 YEARS OF AGE AND YOUNGER

READ - Now I would like to ask about the use of safety devices in vehicles owned or used by this household for household members four years of age or younger.

INTERVIEWER - Transcribe line number and name of each household member four years of age or younger to appropriate space below.

	P. 84	84	84	84	84	84
	Line number	Name	Line number	Name	Line number	Name
84. Do you own or have access to a child safety seat for ...?	(802) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		(802) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		(802) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
85a. Does ... usually use a child safety seat, seat belts or some other safety device while a passenger in a household vehicle?	(803) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know	Return to item 84 for next child four or younger. If no other child four or younger, return to household roster page and ask items 22 and 23.	(803) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know	Refer to item 84 for next child four or younger. If no other child four or younger, return to household roster page and ask items 22 and 23.	(803) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Don't know	Return to item 84 for next child four or younger. If no other child four or younger, return to household roster page and ask items 22 and 23.
85b. What type of safety devices does ... usually use? SHOW FLASHCARD H Mark (X) ALL that apply Any others?	(804) * 1 <input type="checkbox"/> Child safety seat Seat belts - Are they <input checked="" type="checkbox"/> ? 2 <input type="checkbox"/> Lap belts? 3 <input type="checkbox"/> Lap and shoulder belts? 4 <input type="checkbox"/> Child harness? 5 <input type="checkbox"/> Child held by passenger? 6 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/>	Child safety seat	(804) * 1 <input type="checkbox"/> Child safety seat Seat belts - Are they <input checked="" type="checkbox"/> ? 2 <input type="checkbox"/> Lap belts? 3 <input type="checkbox"/> Lap and shoulder belts? 4 <input type="checkbox"/> Child harness? 5 <input type="checkbox"/> Child held by passenger? 6 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/>	Child safety seat	(804) * 1 <input type="checkbox"/> Child safety seat Seat belts - Are they <input checked="" type="checkbox"/> ? 2 <input type="checkbox"/> Lap belts? 3 <input type="checkbox"/> Lap and shoulder belts? 4 <input type="checkbox"/> Child harness? 5 <input type="checkbox"/> Child held by passenger? 6 <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/>	Child safety seat
CHECK ITEM	Refer to 85b Does ... use a child safety seat?		Refer to 85b Does ... use a child safety seat?		Refer to 85b Does ... use a child safety seat?	
86a. Where in the vehicle is the child safety seat usually positioned?	(805) 1 <input type="checkbox"/> Front 2 <input type="checkbox"/> Back 3 <input type="checkbox"/> Don't know		(805) 1 <input type="checkbox"/> Front 2 <input type="checkbox"/> Back 3 <input type="checkbox"/> Don't know		(805) 1 <input type="checkbox"/> Front 2 <input type="checkbox"/> Back 3 <input type="checkbox"/> Don't know	
86b. Does the child safety seat have a built-in belt or internal harness?	(806) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 86d		(806) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 86d		(806) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 86d	

Section VII - USE OF SAFETY DEVICES IN HOUSEHOLD VEHICLES - Continued

PCSM 2 ↓	Line number	Name	Line number	Name	Line number	Name
	807		807		807	
806. How often do you buckle the internal harness or built-in belt in the child safety seat?	806	<input type="checkbox"/> 1 Always <input type="checkbox"/> 2 Most of the time <input type="checkbox"/> 3 Sometimes <input type="checkbox"/> 4 Never	806	<input type="checkbox"/> 1 Always <input type="checkbox"/> 2 Most of the time <input type="checkbox"/> 3 Sometimes <input type="checkbox"/> 4 Never	806	<input type="checkbox"/> 1 Always <input type="checkbox"/> 2 Most of the time <input type="checkbox"/> 3 Sometimes <input type="checkbox"/> 4 Never
4. How often do you fasten the vehicle's seat belt around the child seat?	807	<input type="checkbox"/> 1 Always <input type="checkbox"/> 2 Most of the time <input type="checkbox"/> 3 Sometimes <input type="checkbox"/> 4 Never	807	<input type="checkbox"/> 1 Always <input type="checkbox"/> 2 Most of the time <input type="checkbox"/> 3 Sometimes <input type="checkbox"/> 4 Never	807	<input type="checkbox"/> 1 Always <input type="checkbox"/> 2 Most of the time <input type="checkbox"/> 3 Sometimes <input type="checkbox"/> 4 Never
87a. Has ... ever been injured in a traffic accident or emergency stop while not in the child safety seat?	810	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 Don't know	810	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 Don't know	810	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 Don't know
b. Was ... treated in a hospital for the injury?	811	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No	811	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No	811	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No

NOTES

C

**NPTS PUBLIC USE TAPE
REQUEST FORM**

NPTS Public Use Tape Request Form

- | | |
|--|--|
| 1. Data Format Desired:

<input type="checkbox"/> SAS
<input type="checkbox"/> TPL
<input type="checkbox"/> EBCDIC | 2. Number of Tapes Submitted:

<input type="checkbox"/> One (if requesting 6250 BPI)
<input type="checkbox"/> Four (if requesting 1600 BPI) |
|--|--|

- | | |
|--|--|
| 3. Method of Tape Submittal:

<input type="checkbox"/> With order
<input type="checkbox"/> Under separate cover | 4. Type of Labeling Desired:

<input type="checkbox"/> Standard IBM labels
<input type="checkbox"/> No labels |
|--|--|

5. Recording Density (9-track)
 1600 BPI 6250 BPI

6. Type of Organization
- | | |
|--|---|
| No Copying Fee:
<input type="checkbox"/> Educational
<input type="checkbox"/> Government
<input type="checkbox"/> Private Nonprofit

<input type="checkbox"/> Other, specify: _____ | Copying Fee Charged:
<input type="checkbox"/> Private, other than nonprofit
<input type="checkbox"/> Private Individual |
|--|---|

7. Name and Address
- Name _____
- Organization _____
- Address _____
- City, State, Zip Code _____
- Phone No. _____

8. Total Fee Enclosed (Tape copying fee is applicable only to those organizations indicated in item 6.)
- \$36 (6250 BPI - 1 tape)
- \$144 (1600 BPI - 4 tapes)

9. Payment Enclosed as:
- Money Order
- Check. Make check payable to the Federal Highway Administration and send to:
 Department of Transportation, FHWA, Office of Highway Information Management (HPM-30), Washington, D. C. 20590. (202) 366-5057